University of Massachusetts at Boston

Summer Session 1984

Bulletin

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More than 300 Course Sections Available

Daytime and Evening Classes

Classes at the Harbor and Downtown Campuses

Sessions Starting May 29 and July 16

Non-Credit Programs, Special Events, and Much More

Convenient Registration by Mail, by Telephone, or in Person

Division of Continuing Education
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125

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Issued Spring, 1984

The University

The University of Massachusetts at Boston is a public university, founded in 1964. Its faculty, distinguished both for scholarship and for dedication to teaching, works closely with students to maintain individual academic relationships. The resultant atmosphere of trust and camaraderie promotes rich opportunities for development in the pursuit of a superior education.

The University has two campuses. The Harbor Campus, on Dorchester Bay, is the site of the College of Arts and Sciences, the College of Management, the Institute for Learning and Teaching, the Program in Physical Education, and the School of Nursing. The campus includes three academic centers, the 11-story Joseph P. Healey Library and the Catherine Forbes Clark Athletic Center. UMass/Boston students and faculty may also share in the impressive resources of the nearby John F. Kennedy Presidential Library. The University's Downtown Center, located at 100 Arlington Street in Park Square, houses the College of Public and Community Service. The campus is in the midst of many of Boston's civic, cultural and historical attractions. Both campuses are served by public transportation. Parking for private vehicles is available for a nominal charge at the Harbor Campus. A free shuttle bus service connects both campuses.

Summer Admission

Students who have graduated from high school or who have earned certificates of general educational development are welcome to take Summer Session courses at the University of Massachusetts at Boston. College-bound high school juniors and seniors interested in beginning their college educations are also invited to take Summer Session courses. The University assumes that students registering for undergraduate courses will accurately assess their ability to do college-level work. It is the responsibility of students to meet prerequisites for individual courses.

To be admitted to any graduate-level course a student must have earned a Bachelor's degree, unless other requirements are specified in this catalog or unless written permission is obtained from the faculty member teaching the course.

Summer Session courses carrying credit are equivalent in method and content to regular University courses. Credits earned in these courses may be applied toward UMass/Boston degree requirements and are ordinarily accepted as transfer credits by other colleges.

Summer enrollment does not imply acceptance into a degree program at the University of Massachusetts. Any student who wishes to matriculate at the University must submit an application to the Admissions Office. (If the student does matriculate, as many as sixteen undergraduate credits, or six graduate credits, earned during the summer may be counted toward degree requirements.)

For adults considering return to college the Admissions Office offers informational seminars every Wednesday at both the Harbor Campus and the Downtown Center. For information about these seminars, and about admissions procedures in general, call 929-8000.

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Academic Calendar

	First Six-Week Session	First Four-Week Session	Second Six-Week Session	Second Four-Week Session
Registration Deadline	May 18	May 18	July 3	June 22
Late Registration	May 21–28	May 21–28	July 9–13	June 25–29
Classes Begin	May 29	May 29	July 16	July 2
Add/Drop Deadline	June 5	June 5	July 20	July 6
Holidays	June 18, July 4	June 18	—	—
Pass/Fail Deadline	June 26	June 12	August 1	July 13
Withdrawal Deadline	June 28	June 12	August 1	July 13
Last Day of Class and Final Exam	July 11	June 28	August 23	August 1

Please Note

Location Key

Harbor Campus (HC)

010 Building One
020 Building Two
080 Science Building
090 Healey Library
110 Administration Building
120 Clark Athletic Center
150 Service and Supply Building

Building, floor, and room numbers are given in that order for specific locations. Example: 020/2/618 refers to Building Two, second floor, room 618.

Downtown Center (DC)

The first digit of each number indicates the floor.

Course and Service Fees*

Undergraduate Course Fee	$47.50 per credit
Graduate Course Fee	60.00 per credit
Registration Fee	10.00
Educational Service Fee	5.00
Student Health Fee	15.00
Student Activities Fee	7.00
Student Athletics Fee	6.25
Late Registration Fee (when applicable)	20.00
Bad Check Fee (when applicable)	20.00

*Massachusetts residence status does not affect summer course fees (with the exception of Fees for Independent Study courses).

Advance Registration for all Sessions—April 1—May 18

One week before each session begins, all courses in that session that have not reached minimum enrollment will be cancelled. Late registrations for courses that have reached minimum enrollment will be accepted during the Add/Drop period until maximum enrollment is reached.

For starting dates of special courses and programs, please consult the descriptions on pages 15 and 16.

Spring, 1984
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The information in this publication is provided solely for the convenience of the reader, and the University of Massachusetts at Boston expressly disclaims any liability which may otherwise be incurred. While every effort has been made to ensure the accuracy of the information in this publication, the University reserves the right to make changes at any time with respect to course offerings, degree requirements, services provided, or any other subject addressed in this publication.

The University of Massachusetts at Boston is an affirmative action/equal opportunity employer and prohibits discrimination on the basis of race, color, sex, age, religion, national origin, handicap condition, or veteran status in its employment, in the recruitment, admission, and treatment of students, and in its policies and programs, as required by Federal and State laws and regulations. Inquiries concerning these laws and regulations should be addressed to the Director of Affirmative Action, Administration Building, Harbor Campus, University of Massachusetts at Boston.

The University of Massachusetts at Boston is accredited by the New England Association of Schools and Colleges. The University of Massachusetts at Boston is a member of the North American Association of Summer Sessions and the National University Continuing Education Association.

Publications Office
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Academic Skills

Academic Skills 034
Fundamentals of Algebra
This is a course for students who have mastered arithmetic but not beginning algebra. They are either students who never studied algebra in high school, or who studied it so long ago or so ineffectively that they must approach all introductory algebra topics as new rather than review material. The course has two major goals: 1) to introduce students to algebraic notation and concepts so that in one reasonably paced semester in Math 110 they can learn the material needed to enter the pre-Calculus course (Math 130); 2) to develop successful study and test taking techniques so that students will be prepared to handle the pressure of regular math department courses and exams. The course will cover the following topics: integral components; polynomials—their simplification, combination, and evaluation; linear equations—how to solve them, graph them, and use them to solve word problems; ratios and proportions. The course will also introduce such topics as systems of equations, multiplication, and factoring of polynomials.
Note: The fee for this two credit course is $142.50.
Prerequisite: Math Diagnostic Test only.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/417, Staff, Sched No 707557, 2 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/1/417, Staff, Sched No 707602, 2 Credits

Accounting and Finance

Note: students matriculated in UMass/Boston's College of Management should check the bulletin board outside the Student Services Office (020/3/414) for additional information.

AF210
Financial Accounting
Presents the theory and techniques of financial accounting. The course encompasses the basic functions of collecting, processing, and reporting accounting information for interested third parties (e.g., owners, investors, and government) and enables students to analyze, interpret, and use accounting information effectively.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/3/617, Staff, Sched No 700804, 3 Credits

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/3/617, Staff, Sched No 700854, 3 Credits

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/3/617, Staff, Sched No 700909, 3 Credits

May 29–Jul 11, MTuWTh 7:35–9:00pm, HC 020/1/418, Staff, Sched No 701208, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/3/617, Staff, Sched No 700959, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55-11:20am, HC 020/3/617, Staff, Sched No 701008, 3 Credits

AF211
Managerial Accounting
Presents the theory and techniques of managerial accounting, from the particular perspective of the manager. The course covers the identification and analysis of the behavior of costs within the organization, and illustrates how managers use such knowledge for planning and control. Major topics include responsibility accounting, comprehensive and cash budgeting, and standard job order and process cost systems.
Prerequisite: AF210.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/417, Staff, Sched No 701408, 3 Credits

May 29–Jul 11, MTuWTh 7:35–9:00pm, HC 020/1/417, Staff, Sched No 701703, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/417, Staff, Sched No 701458, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/3/617, Staff, Sched No 701503, 3 Credits

Jul 16–Aug 23, MTuWTh 6:00–7:25pm, HC 020/1/418, Staff, Sched No 701753, 3 Credits

American Civilization

AmCiv C202
The Twenties
Please see description under "Special Programs" on page 15.

AmCiv C203
The Thirties
A study of American society and culture during the years from the Panic of 1929 to the attack on Pearl Harbor in December, 1941, using several kinds of evidence: the accounts of people who lived during the decade, the interpretations of historians, and the representations of artists, writers, and filmmakers. The objective of the course will be to develop an idea of the main characteristics of American society and culture during the 1930's, a conception of the decade's significance, and increased understanding of the processes of historical and cultural analysis and interpretation.
Core Area: Historical and Cultural Studies.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/1/418, Staff, Sched No 703056, 3 Credits

AmCiv C205
The Fifties
The course will consider the culture of the 1950's including writers like Kerouac, Ellison, Hemingway, and Miller and phenomena such as the Cold War, McCarthyism, and the "other directedness" that supposedly dominated the period. The work of social scientists like Riesman and Galbraith will be considered as well as that of novelists and playwrights.
Core Area: Historical and Cultural Studies.

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/1/418, Mr Grosser, Sched No 703256, 3 Credits

AmCiv 501
History and Culture of Nantucket Island
Please see description under "Special Programs" on page 15.

Anthropology

Anth C102
Introduction to Archaeology and Biological Anthropology
The study of the biological and cultural heritage of humans. Topics include: primate and human evolution, human adaptation and variation, and the evolution of prehistoric cultures.
Core Area: Natural Sciences.

May 29–Jul 11, MW 6:00–8:50pm, DC 524, Staff, Sched No 704250, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/1/418, Staff, Sched No 704305, 3 Credits

Anth C103
Introduction to Cultural Anthropology
The study of recent and contemporary human societies in cross-cultural perspective. Ethnographic accounts are used to analyze and compare variations in cultural adaptations and processes of cultural change.
Note: Anth C102 is *not* a prerequisite to Anth C103.
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/418, Staff, Sched No 704505, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 524, Staff, Sched No 704555, 3 Credits

Anth C270
Indians of North America
An introductory survey of North American Indian societies and culture. Emphasis will be placed on the descriptive comparison of selected Indian societies through the study of North American culture areas, levels of sociocultural integration, Indian history, and contact with Euro-American culture.
Core Area: Historical and Cultural Studies.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 524, Mr Strong, Sched No 704755, 3 Credits

Anth 280
New England Folklore
An introduction to the folklore and folklife of New England. Folklore of the sea, the lumberwoods, farms, and millworks; regional legends, stories, ballads, and crafts will be among the topics covered.

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/1/428, Ms Groce, Sched No 704955, 3 Credits

Anth 367
Social and Cultural Perspectives on Witchcraft and Sorcery
Beliefs about people with extraordinary powers to cause harm or good are found in societies of different types and in different periods in history. This course examines such beliefs in a number of different cultural, geographical, and historical contexts in order to demonstrate ways in which anthropologists and other social scientists approach the more general problem of understanding the function of belief systems in human society. *The course does not teach techniques of witchcraft or sorcery.*
Prerequisite: Anth C103, and junior or senior standing, or permission of instructor.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/1/428, Mr Harwood, Sched No 705159, 3 Credits

Anth 485
Field Seminar in Archaeology
Please see description under "Special Programs" on page 15.

Art

Art C100
Language of Art
The course teaches students to begin to understand the processes of artistic creation. It enables the student to grasp the expressive content of works of art in a wide variety of media and to analyze how the artist creates his/her effect. It is not an historical survey. Through lectures, discussions, field trips and museum visits, the student studies paintings, sculptures, and buildings with examples chosen as often as possible from the Boston area. The course addresses such concepts as rhythm, pacing, elements of stability versus change and the possibilities of differing interpretations of subject matter through formal variations. It offers a solid introduction to the arts by developing the student's ability to see and analyze forms as the result of aesthetic and interpretive decisions. Instruction in writing and critical thinking is provided.
Core Area: The Arts.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/3/420, Staff, Sched No 705759, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/3/430, Staff, Sched No 705804, 3 Credits

Art C199
Visual Thinking
This course serves as an introduction to the visual arts by emphasizing how one thinks visually. It provides training and exploration in the organization of sensory experiences—experiences which are found already ordered in forms of art and design or which are encountered haphazardly in the world around one. Writing assignments will complement studio exercises, lectures, and selected readings dealing with issues such as space, light, color, and composition.
Core Area: The Arts.

May 29–Jul 11, MTuWTh 9:55–11:55am, HC 090/8/009, Ms Erman, Lab Fee: $25.00, Sched No 706008, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:55am, HC 090/8/009, Ms Erman, Lab Fee: $25.00, Sched No 706058, 3 Credits

Art 210
Boston Neighborhoods
Through a series of four walking tours, combined with lectures and discussions, this course will focus on the growth and architectural development of Boston's downtown, Beacon Hill, Back Bay, and Dorchester neighborhoods. Each neighborhood will be examined as the product of a mixture of social and financial factors such as immigration, railroads, land speculation, land filling, and a changing local and national economy. The student will be shown how to "read" Boston's built environment as a visual history of the city. The emphasis will be on architectural styles as indicators of growth rather than as indicators of fashion.
Note: This course does not meet requirements for the major in Art.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/3/430, Ms Follett, Sched No 706703, 3 Credits

sunbonnet

Art C250
Art of the Twentieth Century
An analysis of the art of the twentieth century involves fundamental issues of form and content shared by all the arts. Taking a three-fold approach—formal, critical, and historical—this course examines the developments of modern painting, sculpture, and architecture as well as the ascendant art forms of photography, video, and performance. It analyzes general theories and specific works in detail. Through class discussions, reading assignments, papers, and field trips, the student learns that the formal problems posed by twentieth century art are closely related to those in literature, music, and theatre, for they are problems of structure and definition, harmony and rhythm, diction and coherence. The student thus develops critical capabilities that he or she can apply to works by Picasso or Eliot, Matisse or Ravel. Instruction provided in translating visual experience into the written word.
Prerequisite: Sophomore standing.
Core Area: The Arts.

May 29–Jul 11, TuTh 6:00–8:50pm, HC 020/3/407, Ms Calo, Sched No 706258, 3 Credits

Art C265
Film Analysis
Any thorough and systematic study of film, because of its essentially interdisciplinary nature, must address concerns and problems common to other forms of artistic expression such as literature, theatre, painting, and photography. The particular approach taken in this course to the study of film offers an encounter with the works that goes beyond the conventional experience of theatre and TV viewing and employs special methods of projection that permit detailed analysis by means of the use of slow motion and still frame techniques. The films thus studied will include examples of classic Hollywood, contemporary American, and foreign feature films, and the documentary. The course is not primarily historical in emphasis; rather, its concerns are the visual language of film, its use as the vehicle for narrative and theme, and major film types and styles. Papers are intended to develop skills in writing and critical thinking through the analysis and interpretation of sequences from the films studied in class.
Prerequisite: Sophomore standing.
Core Area: The Arts.

May 29–Jul 11, MTuWTh 9:55am–12:25pm, HC 020/3/407, Mr Risse, Lab Fee: $20.00, Sched No 706458, 3 Credits

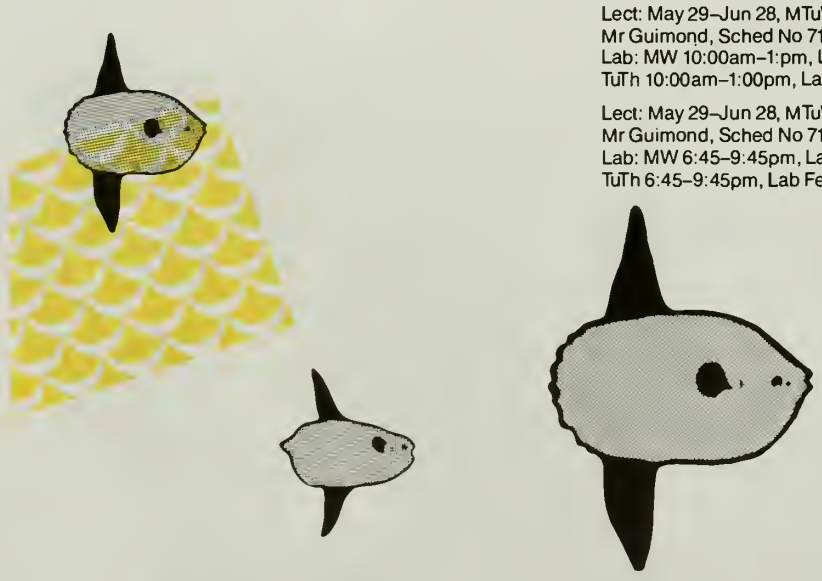
May 29–Jul 11, MTuWTh 1:15–3:45pm, HC 020/3/407, Mr Risse, Lab Fee: $20.00, Sched No 706503, 3 Credits

Art 293
Photography I
This course introduces the student to basic issues in photography. The mechanics of the camera, the techniques of the darkroom, and matters of creative and personal import are addressed through illustrated lectures, class critiques, and assigned lab hours. Some attention is given to the history of photography. Note: Photographic materials are expensive. In addition to the lab fee, which provides chemicals and miscellaneous darkroom supplies, students must expect to invest a minimum of $75.00 in paper and film.
Prerequisite: One 100-level art course.

Lect: May 29–Jul 11, TuWTh 12:00–4:00pm, HC 090/8/025, Ms Novak, Sched No 706903, 3 Credits
Lab: May 29–Jul 11, MF 12:00–4:00pm, HC 090/8/025, Lab Fee: $30.00, Sched No 706953.

Art 481
Visual Books
This studio course will concentrate on traditional and non-traditional visual books as structures for the presentation of ideas. Each student will be required to produce a book using existing or newly created images in any medium. The history and contemporary use of the artist's book will be examined and discussed through viewing of artists' books, lectures by two book artists, and trips to libraries in Boston with rare and/or artist book collections. Class time will also include simple bookbinding demonstrations and group critiques of work in progress. Work on the individual books themselves will be done outside of class.
Note: A lab fee of $30 will be required of students needing to use the photography lab.
Prerequisite: Two studio courses in any one medium or permission of the instructor.

May 29–Jul 11, TuWTh 8:30–11:15am, HC 090/8/025, Ms Novak, Sched No 707157, 3 Credits



Biology

Biol C101
The Basis of Life
The uniqueness of life within the physical universe. The matter and energy of life, the genetic code, molecular biology, and the origin and evolution of life. An overview for students in the humanities and social sciences of those features which distinguish living organisms from non-living things. No background in the natural sciences is required.
Core Area: Natural Sciences.

May 29–Jun 28, MTuWThF 8:00–9:40am, HC 010/2/200, Mr Hagar, Sched No 708606, 3 Credits

May 29–Jul 11, MW 6:00–8:50pm, HC 080/1/006, Mr Hagar, Sched No 708656, 3 Credits

Biol C102
Evolutionary Biology
Designed for students in the social sciences and humanities. Those areas of genetics, ecology and evolution that form a unified approach to the study of organisms and populations. No background in the natural sciences is required.
Core Area: Natural Sciences.

Jul 2–Aug 1, MTuWThF 8:00–9:40am, HC 010/2/200, Staff, Sched No 708856, 3 Credits

Jul 16–Aug 23, MW 6:00–8:50pm, HC 080/1/006, Mr Wilkes, Sched No 708901, 3 Credits

Biol 108
Introduction to Nutrition
Introduction to the elements of nutrition with emphasis on nutrition for humans; examination of food stuffs and nutritional quality, physiology of food utilization, food quality regulations and the global ecology of food production. No background in the natural sciences is required.

May 29–Jul 11, TuTh 6:00–8:50pm, HC 020/2/206, Staff, Sched No 709800, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/206, Mr Wilkes, Sched No 709850, 3 Credits

Biol C111
General Biology I
An integrated course stressing the principles of biology. Life processes are examined primarily at the molecular and cellular levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Core Area: Natural Sciences.

Lect: May 29–Jul 11, MTuWTh 8:15–9:40am, HC 080/1/009, Mr Ackerman, Sched No 709105, 4 Credits
Lab: MW 12:00–3:00pm, Lab Fee: $20.00, Sched No 709200

Lect: May 29–Jul 11, MW 6:00–8:50pm, HC 080/1/009, Staff, Sched No 790155, 4 Credits
Lab: TuTh 6:00–9:00pm, Lab Fee: $20.00, Sched No 709250

Biol C112
General Biology II
An integrated course stressing the principles of biology. Life processes are examined primarily at the organismal and population levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Prerequisite: Biol C111.
Core Area: Natural Sciences.

Lect: Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 080/1/009, Staff, Sched No 709450, 4 Credits
Lab: Jul 16–Aug 23, MW 12:00–3:00pm, Lab Fee: $20.00, Sched No 709555

Lect: Jul 16–Aug 23, MW 6:00–8:50pm, HC 080/1/009, Staff, Sched No 709505, 4 Credits
Lab: Jul 16–Aug 23, TuTh 6:00–9:00pm, Lab Fee: $20.00, Sched No 709600

Biol 207
Anatomy and Physiology I
A study of the human organism, correlating structures and physiological mechanisms. Emphasis on skin, the special senses, and the skeletal, articular, muscular, nervous, and endocrine systems. Required of nursing and medical technology majors. May be taken as an elective by biology majors.
Prerequiste: Biol 111 or permission of instructor.

Lect: May 29–Jun 28, MTuWTh 8:00–10:00am, HC 010/1/088, Mr Guimond, Sched No 710257, 4 Credits
Lab: MW 10:00am–1:pm, Lab Fee: $20.00, Sched No 710352 or TuTh 10:00am–1:00pm, Lab Fee: $20.00, Sched No 710502

Lect: May 29–Jun 28, MTuWTh 4:45–6:45pm, HC 010/1/008, Mr Guimond, Sched No 710302, 4 Credits
Lab: MW 6:45–9:45pm, Lab Fee: $20.00, Sched No 710407 or TuTh 6:45–9:45pm, Lab Fee: $20.00, Sched No 710457

Biol 208
Anatomy and Physiology II
Emphasis on the digestive, circulatory, respiratory, excretory, and reproductive systems. Required of nursing and medical technology majors. May be taken as an elective by biology majors.
Prerequisite: Biol 207.

Lect: Jul 2–Aug 1, MTuWTh 8:00–10:00am, HC 010/1/008, Mr Yelle, Sched No 710702, 4 Credits
Lab: MW 10:00am–1:00pm, Lab Fee: $20.00, Sched No 701807 or TuTh 10:00am–1:00pm, Lab Fee: $20.00, Sched No 710902

Lect: Jul 2–Aug 1, MTuWTh 4:45–6:45pm, HC 010/1/088, Mr Yelle, Sched No 710752, 4 Credits
Lab: MW 6:45–9:45pm, Lab Fee: $20.00, Sched No 710857 or TuTh 6:45–9:45pm, Lab Fee: $20.00, Sched No 710952

Biol 209
Medical Microbiology
Introduction to viruses, bacteria, fungi, protozoa which may be pathogenic to man and animals, immunology, epidemiology, clinical microbiology. Laboratory introduces sterile techniques, maintenance of pure cultures, isolation, identification and immunological methods.
Prerequisites: Biol C111; Chem C103 and C104 or Chem C107 and C108 or equivalent.

Lect: Jul 2–Aug 1, MTuWTh 9:55–11:55am, HC 020/2/206, Staff, Sched No 711156, 4 Credits
Lab: MW 12:30–3:30pm, Lab Fee: $40.00, Sched No 711201 or TuTh 12:30–3:30pm, Lab Fee: $40.00, Sched No 711251

Biology Courses on Nantucket

Biol 200
Field Biology

Biol 346
Marine Biology

Please see description under "Special Programs" on page 15.

Black Studies

Blk Sty 104
Drug Abuse and the Black Community
An overview of the history and current problems evolving from drug abuse in black urban communities in the United States. Discrimination, prejudice, limited access to opportunity structures, treatment for the use of drugs, the law, community institutions, and value systems are examined as they pertain to drug use in the black community.

Jul 16–Aug 23, MW 6:00–8:50pm, DC 524, Staff, Sched No 711851, 3 Credits

Blk Sty 108
Black Social Movements
Concepts of social movements as well as the appearance of social movements among black Americans in the 19th century are examined. Examination of 20th century black social movements, especially Marcus Garvey's movement, Nation of Islam, the Civil Rights movement, and Black Power movement.
Prerequisite: A course in sociology, political science, or Afro-American history.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/1/417, Mr Lee, Sched No 712055, 3 Credits

Chemistry

Chem C103
Chemical Principles I
Introduction to the fundamental principles of chemistry including structure, the periodic table of the elements, chemical bonding and molecular structure, states of matter based on kinetic theory, chemical kinetics, equilibria, and elementary thermodynamics. Laboratory work presents an introduction to methods of quantitative chemical techniques.
Core Area: Natural Sciences.

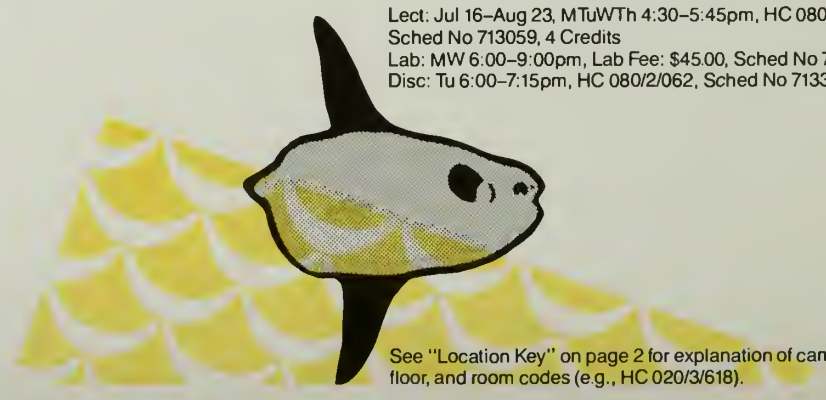
Lect: May 29–Jul 11, MTuWTh 9:55–11:10am, HC 010/2/200, Staff, Sched No 712455, 4 Credits
Lab: MW 12:30–3:30pm Lab Fee: $45.00, Sched No 712550
Lab: TuTh 12:30–3:30, Lab Fee: $45.00, Sched No 712605
Disc: W 11:30am–12:45pm, HC 080/2/062, Sched No 712700
Disc: Th 11:30am–12:45pm, HC 080/2/062, Sched No 712750

Lect: May 29–Jul 11, MTuWTh 4:30–5:45pm, HC 080/1/006, Staff, Sched No 712500, 4 Credits
Lab: MW 6:00–9:00pm, Lab Fee: $45.00, Sched No 712655
Disc: Tu 6:00–7:15pm, HC 080/2/062, Sched No 712805

Chem C104
Chemical Principles II
Introduction to electrochemistry, oxidation-reduction reactions, acid-base systems, and a survey of the chemical properties of elements based on principles already introduced. Laboratory work presents qualitative and quantitative analysis.
Prerequisite: Chem C103.
Core Area: Natural Sciences.

Lect: Jul 16–Aug 23, MTuWTh 9:55–11:10am, HC 010/2/200, Staff, Sched No 713009, 4 Credits
Lab: MW 12:30–3:30pm, Lab Fee: $45.00, Sched No 713104
Lab: TuTh 12:30–3:30pm, Lab Fee: $45.00, Sched No 713154
Disc: W 11:30am–12:45pm, HC 080/2/062, Sched No 713259
Disc: Th 11:30am–12:45pm, HC 080/2/062, Sched No 713304

Lect: Jul 16–Aug 23, MTuWTh 4:30–5:45pm, HC 080/1/006, Staff, Sched No 713059, 4 Credits
Lab: MW 6:00–9:00pm, Lab Fee: $45.00, Sched No 713209
Disc: Tu 6:00–7:15pm, HC 080/2/062, Sched No 713354



See "Location Key" on page 2 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Chem C107
Introduction to Chemistry I
Atomic and molecular structure, bonding energetics, and chemical reactions, as well as the theoretical principles of general chemistry, are considered. Required for nursing majors. Also open to non-science majors.

Lect: May 29–Jul 11, MTuWTh 9:55–11:10am, HC 080/1/009, Staff, Sched No 713554, 4 Credits
Lab: MW 1:30–3:30pm, Lab Fee: $35.00, Sched No 713609
Lab: TuTh 1:30–3:30pm, Lab Fee: $35.00, Sched No 713659
Disc: W 11:30am–12:45pm, HC 080/2/063, Sched No 713704

Chem C108
Introduction to Chemistry II
Basic organic chemistry, nomenclature, classes of compounds, and reactions of these classes are discussed as an introduction to a survey of biochemistry. Required for nursing majors. Also open to non-science majors.
Prerequisite: Chem 107.

Lect: Jul 16–Aug 23, MTuWTh 9:55–11:10am, HC 080/1/009, Staff, Sched No 713904, 4 Credits
Lab: MW 1:30–3:30pm, Lab Fee: $35.00, Sched No 713954
Lab: TuTh 1:30–3:30pm, Lab Fee: $35.00, Sched No 714003
Disc: W 11:30am–12:45pm, HC 080/2/063, Sched No 714053

Chem 253
Organic Chemistry I
An intensive survey of structure, reactions and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chem C104.

Lect: May 29–Jul 11, MTuWTh 10:30–11:45am, HC 010/1/088, Staff, Sched No 714453, 4 Credits
Lab: TuTh 1:00–4:00pm, Lab Fee: $45.00, Sched No 714508
Disc: W 12:00–1:15pm, HC 080/2/064, Sched No 714558
Lab: MW 1:00–4:00pm, Lab Fee: $45.00, Sched No 714514
Disc: Tu 12:00–1:15pm, Sched No 714564

Chem 254
Organic Chemistry II
An intensive survey of structure, reactions and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification, and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chem 253.

Lect: Jul 16–Aug 23, MTuWTh 10:30–11:45am, HC 010/1/088, Staff, Sched No 714758, 4 Credits
Lab: TuTh 1:00–4:00pm, Lab Fee: $45.00, Sched No 714803
Disc: W 12:00–1:15pm, HC 080/2/064, Sched No 714853

Classics

Clsics C171
The Greeks
Selected masterpieces of Greek literature (Homer, the tragedians, Plato, Aristophanes) are read in modern English translation. Background lectures and discussions emphasize characteristic values of ancient Greek civilization. Instruction and practice in effective writing.
Core Area: Philosophical and Humanistic Studies.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/1/614, Staff, Sched No 715257, 3 Credits

Economics

Econ C101
Introductory Economics I
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Other areas of emphasis will vary from section to section and may include: industrial organization, income distribution, international trade, economics of the environment and other topics. (May be taken after Econ C102.)
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/420, Mr Tekiner, Sched No 719603, 3 Credits

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/420, Mr Millman, Sched No 719558, 3 Credits

May 29–Jul 11, TuTh 6:00–8:50pm, DC 522, Mr Ferleger, Sched No 719653, 3 Credits

Jul 16– Aug 23, MTuWTh 8:15–9:40am, HC 020/1/420, Mr Millman, Sched No 719708, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 510, Mr Ferleger, Sched No 719714, 3 Credits

Econ 101
Introductory Economics I
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Other areas of emphasis will vary from section to section and may include: industrial organization, income distribution, international trade, economics of the environment and other topics. (May be taken after Econ 102.)

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/2/205, Staff, Sched No 720355, 3 Credits

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/1/608, Mr Sharif, Sched No 720200, 3 Credits

May 29–Jul 11, MW 6:00–8:50pm, DC 523, Mr Jagannathau, Sched No 720250, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/1/608, Mr Millman, Sched No 720305, 3 Credits

Econ C102
Introductory Economics II
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on examining the overall functioning of the economy and dealing with such matters as unemployment, inflation and recession. Other areas of emphasis will vary from section to section and may include: economics of government spending and taxation, economic development, alternative economic systems and other topics. (May be taken before Econ C101.)
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MW 6:00–8:50pm, DC 522, Mr Mass, Sched No 719908, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/1/614, Mr Sattar, Sched No 719958, 3 Credits

Jul 16–Aug 23, MW 6:00–8:50pm, DC 505, Mr Abdullah, Sched No 720000, 3 Credits

Econ 102
Introductory Economics II
A broad introductory survey in which attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on examining the overall functioning of the economy and dealing with such matters as unemployment, inflation and recession. Other areas of emphasis will vary from section to section and may include: economics of government spending and taxation, economic development, alternative economic systems and other topics. (May be taken before Econ 101.)

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/608, Mr Chiong, Sched No 720555, 3 Credits

Econ 155
Statistical Methods
A non-calculus introduction to statistical inference. Primary objective is to familiarize the students with common statistical concepts so they will be able to make intelligent evaluations of technical reports. The first half of the course covers probability including common distributions. Second half studies hypothesis testing including T-Tests, goodness of fit, contingency tables, analysis of variance, regression, and correlation.
Prerequisite: Placement into Math 110 or equivalent.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/608, Mr Chiong, Sched No 720755, 3 Credits

Econ 201
Economic Theory I, Microeconomics
Analysis of consumer behavior, the theory of production equilibrium of the firm and the industry, market structures and the pricing of factors of production.
Prerequisite: Econ C101 or 101.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/1/617, Mr Millman, Sched No 720955, 3 Credits

sunfish

Econ 202
Economic Theory II, Macroeconomics
Analysis of the forces determining the level and structure of gross national output, and those government policies which attempt to affect economic activities in the United States.
Prerequisites: Econ C101 or 101, and C102 or 102.

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/1/428, Mr Sattar, Sched No 721159, 3 Credits

Econ 231
Money and Financial Institutions
An economic analysis of financial institutions and markets in the American economy. Institutional and economic factors in the determination of the money supply are studied. Included are the commercial banking system and the money and capital markets. Policy making, both formulative and implementative, by the central bank is emphasized. Current policy issues are debated.
Prerequisites: Econ C101 or 101 and Econ C102 or 102.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/207, Staff, Sched No 721359, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/1/608, Mr Abdullah, Sched No 721404, 3 Credits

Econ 251
Economic Philosophy
A transdisciplinary seminar on the image of man in economics compared to the image of man as seen by other disciplines such as philosophy (including existentialism), anthropology, sociology, psychology, and psychoanalysis.
Prerequisite: Econ C101 or 101 or permission of instructor.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/1/420, Mr Wolozin, Sched No 721604, 3 Credits

Elementary Education

ElmEd 318
Science and Social Studies Methods
This course focuses on materials, methods, and objectives useful in designing meaningful learning experiences in the areas of science and social studies.

May 29–Jul 11, MTuWTh 6:00–7:25pm, HC 020/1/619, Ms DePlacido, Sched No 722808, 3 Credits

ElmEd 334
Methods and Materials for Special Needs Children in the Regular Classroom
This course focuses on the individualization of instruction for children with special needs in regular classrooms. Students develop rationales for, and demonstrate skills in, individualizing instruction and materials for a variety of children with special needs; prepare appropriate strategies for fostering successful learning experiences; and propose and present rationales for selected management techniques.

May 29–Jul 11, MTuWTh 7:35–9:00pm, HC 020/1/619, Mr Sullivan, Sched No 723002, 3 Credits

English

Engl 101
Freshman English I
Small class instruction and practice in grammar, rhetoric, and the articulation of logical thought. Practice in writing for college courses on various kinds of topics, many from experience and observation, chosen to develop the student's confidence and ability. Readings and materials vary from section to section, but all sections require a minimum of eight 600-word papers.
Note: This course satisfies the first half of the College of Arts and Sciences writing requirement.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/428, Staff, Sched No 724551, 3 Credits

May 29–Jul 11, MW 6:00–8:50pm, DC 521, Staff, Sched No 724606, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/1/417, Staff, Sched No 724656, 3 Credits

Jul 16–Aug 23, MW 6:00–8:50pm, DC 521, Staff, Sched No 724701, 3 Credits

Engl 102
Freshman English II
Continuation of Engl 101, with emphasis on topics and writing assignments of the kinds encountered in many types of college courses. Readings and materials vary from section to section, but all sections require a minimum of seven papers, including a longer research paper.
Note: This course satisfies the second half of the College of Arts and Sciences writing requirement.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/213, Staff, Sched No 725155, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/1/428, Staff, Sched No 725200, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/1/617, Staff, Sched No 725250, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 523, Staff, Sched No 725305, 3 Credits

Engl C130
Introduction to the Art of Literature
Fiction, poetry, drama, essays—what they are and what they mean. An introduction to ways of seeing and understanding literature—its genres, its forms, its styles, its methods and meanings. We will explore the common ground between literature and the other arts, while keeping in view the crucial differences.
Core Area: The Arts.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/614, Staff, Sched No 723602, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/1/614, Staff, Sched No 723652, 3 Credits

Engl C201
Five Major British Writers
Representative works by five of the most important writers from the 14th to the 19th century, studied as introductions to philosophical and humanistic studies, explored as reflecting and shaping the leading ideas, assumptions, and values of their ages. Works by Chaucer, Shakespeare, and other authors such as Milton, Swift, and Austen, with films and background lectures on the philosophical and historical contexts of the works and their authors. Instruction in analytical reading and writing will be provided.
Core Area: Philosophical and Humanistic Studies.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/417, Staff, Sched No 723852, 3 Credits

Jul 16–Aug 23, MW 6:00–8:50pm, DC 522, Staff, Sched No 723907, 3 Credits

Engl C204
The Nature of Literature: Fiction
An introduction to various critical approaches to the understanding and appreciation of fiction. Close reading of short stories and novels with special attention to the language and forms of fiction, as well as the writing of critical and interpretive papers. Comparison of fiction both to the visual arts (e.g., point of view, setting, imagery) and to music (e.g., prose rhythm, duration, thematic repetition, and variation). Attention to developing a sense of the milieu in which an artist works.
Prerequisite: Completion of freshman writing requirement.
Core Area: The Arts.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 523, Staff, Sched No 724101, 3 Credits

Jul 16–Aug 23 MTuWTh 8:15–9:40am, HC 020/1/608, Staff, Sched No 724151, 3 Credits

Engl 210
Introduction to Creative Writing
An introduction to the methods and art of creative writing in fiction, poetry, and drama, for students who are seriously interested in, but not necessarily experienced in, creative writing. Degree of emphasis on the various genres differs from section to section.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/211, Staff, Sched No 724351, 3 Credits

Engl 215
Intermediate Composition
A composition course offering continued practice in expository and argumentative writing. The emphasis will be on the development of rhetorical concepts—definition, exemplification, comparison, etc.—for both analytic and compositional purposes, for both critical reading and the organization and development of papers. Readings will be short, complex passages representative of the kinds of discourse met in college classes and texts.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/418, Staff, Sched No 725755, 3 Credits

Engl 230
Introduction to American Literature I
Prose and poetry of American writers from the first explorers through the Civil War, the ages of Puritanism, Revolution, and Romanticism. Among the texts, many of which are historical, philosophical, political, and religious in nature, will be works by William Bradford, John Smith, Anne Bradstreet, John Winthrop, Thomas Paine, Benjamin Franklin, Jonathan Edwards, Phyllis Wheatley, Indian orators, Hawthorne, Poe, Emerson, Whitman, Melville, and Frederick Douglass.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/617, Staff, Sched No 725955, 3 Credits

Engl 231
Introduction to American Literature II
American life and letters in times of boom and bust after the Civil War—the Great Barbecue, the Brown Decades, the Great War, Depression and after—studied in the fiction of such writers as Twain, James, Hemingway, Fitzgerald, Baldwin, and Bellow; poets such as Dickinson, Frost, Stevens, Lowell, and Plath; and dramatists such as O'Neill and Miller. Light shed through literary art on 19th and 20th century American problems, and on the conflict between American Dream and American reality.

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/2/207, Staff, Sched No 726159, 3 Credits

Engl 382
Shakespeare I
Shakespeare's comedies, history plays, and early tragedies largely from the first half of Shakespeare's career. The course emphasizes critical interpretations of individual plays but it attempts as well to review Shakespeare's dramatic art in general, theatre history and conventions, theory of comedy and theory of tragedy, the language of verse drama, and the development of the history play.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/619, Mr Marks, Sched No 726359, 3 Credits

Engl 399
Comparative Readings in Faulkner and Hemingway
Comparative study of the fiction of two major American novelists, Faulkner and Hemingway, whose works have social and thematic affinities and present interesting problems of contrasts.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/1/415, Mr Cahalan, Sched No 726559, 3 Credits

Engl 444
Cooperative Education Field Experience in English
A supervised field experience in English. Students are placed in practical work assignments in their field of study through the Cooperative Education Office (010/2/203, telephone 929-8495). Students will be expected to develop a learning contract in consultation with their faculty sponsor. Periodic meetings, selected readings, and a culminating written exercise are customarily required.

English as a Second Language

Engl 101E
Freshman English I
Practice in writing on various kinds of topics chosen to develop students' confidence and ability as writers. Readings and materials will vary from section to section, but all sections will require a minimum of seven papers. This special ESL section of Freshman Composition is designed to meet the special needs of ESL students. In particular, the course emphasizes English syntax from a non-native point of view. For bilingual students only.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/209, Staff, Sched No 724901, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/617, Staff, Sched No 724951, 3 Credits

Engl 102E
Freshman English II
Continued practice in writing on various topics with an emphasis on more difficult readings, using the library and research skills. Students will again write about seven papers with one research paper. Attention given to English grammar from a non-native point of view. For bilingual students only.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/420, Staff, Sched No 725505, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/2/420, Staff, Sched No 725555, 3 Credits

French

French C101
Elementary French I
Intensive practice in the four language skills, with an audio-lingual approach, for students who have no creditable training in French.
Core Area: Foreign Languages.

Lect: May 29–Jun 28, MTuWTh 9:55am–12:30pm, HC 020/1/415, Staff, Sched No 727753, 4 Credits
Lab: MTuW 12:40–1:30pm, Lab Fee: $4.00, Sched No 727808

French C102
Elementary French II
A continuation of French 101. Intensive practice in the four language skills, with an audio-lingual approach, for students who have completed French 101 or its equivalent.
Core Area: Foreign Languages.

Lect: Jul 2–Aug 1, MTuWTh 9:55am–12:30pm, HC 020/1/415, Staff, Sched No 728002, 4 Credits
Lab: MTuW 12:40–1:30pm, Lab Fee: $4.00, Sched No 728052

French C201
Intermediate French I
Intensive review and further study of grammar and audio-lingual skills with correlated intermediate-level readings in French literature or culture.
Prerequiste: French 102, 115 or equivalent.
Core Area: Foreign Languages.

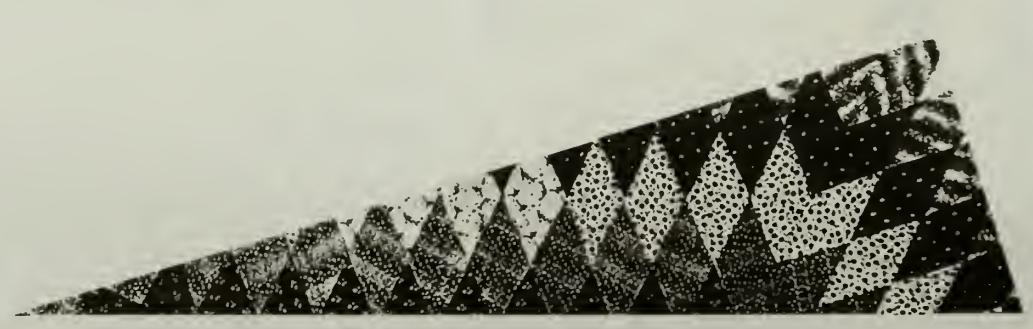
Lect: May 29–Jun 28, MTuWTh 9:55am–12:30pm, HC 020/1/620, Staff, Sched No 728252, 4 Credits
Lab: MTuW 12:40–1:30pm, Lab Fee: $4.00, Sched No 728307

French C202
Intermediate French II
Continuation of French 201. Intermediate-level readings in French literature or culture. This course may be used to fulfill the second semester of the intermediate-level language requirement.
Prerequisiste: French 201 or equivalent.
Core Area: Foreign Languages.

Lect: Jul 2–Aug 1, MTuWTh 9:55am–12:30pm, HC 020/1/620, Staff, Sched No 728507, 4 Credits
Lab: MTuW 12:40–1:30pm, Lab Fee: $4.00, Sched No 728557

French 301
Traduction et stylistique
Intensive study of grammar, stylistics and composition. Problems of idiomatic translation based on contemporary English and American texts.
Prerequisite: French 202 or equivalent or permission of instructor.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/1/421, Staff, Sched No 728757, 3 Credits



Geography and Earth Science

GES C105
Introduction to Earth Science I
A descriptive introduction to geoscience, integrating such fields as geology, meteorology, oceanography, and ecology. Emphasis is placed on understanding geophysical processes of importance to human beings and their environment. Topics included are the origin of the earth, its energy and material resources, earthquakes, volcanism, tides, and the environmental impact of human technology.
Corequisite: GES 107.
Core Area: Natural Sciences.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 080/2/065, Mr Looney, Sched No 730308, 3 Credits

GES 107
Earth Science Laboratory I
A laboratory course designed to accompany GES C105. Basic experiments include: examination of minerals, rocks, and fluid earth materials, analysis of sedimentary processes and weathering; study of diverse geological processes using topographical and geological maps, aerial photographs, and field trips.
Corequisite: GES C105.

May 29–Jul 11, MW 1:15–2:15pm, HC 080/2/065, Mr Looney, Sched No 730508, 1 Credit

GES 110
Physical Geology
A survey of the processes which affect the earth, the materials of which the earth is formed and the earth's internal structure.

May 29–Jul 11, TuTh 6:00–8:50pm, HC 080/2/065, Mr Nellis, Sched No 730708, 3 Credits

GES 225
Weather and Climate
Atmospheric processes forming the basis for weather patterns and climatic development on a global scale. Earth-sun relationships, heating and cooling of the atmosphere, atmospheric circulation, pressure patterns, air mass formation and frontal systems, vertical zonation of climate, and the Koppen System for evaluating and classifying climatic phenomena will be major topics.
Prerequisite: Sophomore standing.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 080/2/065, Mr Mensoian, Sched No 730908, 3 Credits

GES 226
Physical Oceanography I
A correlation of the geological, physical, and chemical aspects of the sea.

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 080/2/065, Staff, Sched No 731102, 3 Credits

GES 340
Planning and Land Use Law
A study of the law as it has developed and applies to the planning process and the regulation of land use in the United States, with special emphasis on Massachusetts.
Prerequisite: GES 270.

May 29–Jul 11, MW 6:00–8:50pm, DC 519, Mr Mensoian, Sched No 731302, 3 Credits

German

Ger C101
Elementary German
For students with no creditable training in German. Work in the four language skills with particular emphasis on listening and reading comprehension.
Core Area: Foreign Languages.

Lect: May 29–Jun 28, MTuWTh 8:15–10:40am, HC 020/1/612, Mr Hoelzel, Sched No 729151, 4 Credits
Lab: MTuW 11:00–11:45am, Lab Fee: $4.00, Sched No 729206

Ger C102
Elementary German
Continuation of Ger C101. Work in the four language skills with particular emphasis on listening and reading comprehension.
Core Area: Foreign Languages.

Lect: Jul 2–Aug 1, MTuWTh 8:15–10:40am, HC 020/1/612, Mr Boelcskevy, Sched No 729406, 4 Credits
Lab: MTuW 11:00–11:45am, Lab Fee: $4.00, Sched No 729456

Ger C200
Intermediate German I
Development of the skills of speaking, aural understanding, reading, and writing on the intermediate level. Review and further study of grammar; vocabulary building; readings of varied materials; practice in oral and written expression.
Prerequisite: Ger C102 or equivalent.
Core Area: Foreign Languages.

Lect: May 29–Jun 28, MTuWTh 8:15–10:40am, HC 020/1/616, Mr Boelcskevy, Sched No 729656, 4 Credits
Lab: MTuW 11:00–11:45am, Lab Fee: $4.00, Sched No 729701

Ger C206
Audio-Lingual Intermediate German
A continuation of German C200. Designed for students who want more than a reading knowledge of German. In addition to a thorough grammar review and new vocabulary building, considerable attention will be given to the oral skills. Strongly recommended for any students thinking of majoring in German and for those who wish a more complete command of the lanaguage.
Prerequisite: Ger C200 or equivalent.
Core Area: Foreign Languages.

Jul 2–Aug 1, MTuWTh 8:15–10:40am, HC 020/1/616, Mr Cedargren, Sched No 729901, 4 Credits

See "Location Key" on page 2 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

History

Hist C111
Foundations of Western Civilization
After a brief survey of the ancient world, the course traces the political, economic and cultural development of Western society from the early Middle Ages to 1715. Emphasis will be given to the critical analysis of primary sources.
Core Area: Historical and Cultural Studies.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/619, Staff, Sched No 731702, 3 Credits

May 29–Jul 11, TuTh 6:00–8:50pm, DC 619, Staff, Sched No 731752, 3 Credits

Hist C112
Modern Western Civilization
This course traces the major political, economic and cultural changes which have shaped Western society from the enlightenment to the present. Special attention will be given to the development of skills in written expression and the critical analysis of primary source materials.
Core Area: Historical and Cultural Studies.

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/1/619, Mr Gagnon, Sched No 731952, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 619, Mr Hull, Sched No 732001, 3 Credits

Hist C265
The American Experience I
History C265 will introduce students at the intermediate level to the study of American history before 1877. The subject matter will encompass virtually all aspects of American society, and the interrelationship between social structure, economic development, everyday life, culture and formal politics will be explored throughout the course. Attention will be given to the nature of historical inquiry and the development of writing skills.
Prerequisite: Sophomore standing or permission of instructor.
Core Area: Historical Cultural Studies.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/211, Mr Callanan, Sched No 732201, 3 Credits

Hist C266
The American Experience II
A survey of American history from 1877 covering the nature of American social structure, economic development, everyday life, culture, and formal politics. Attention will be given to the nature of historical inquiry and the development of writing skills.
Prerequisite: Sophomore standing or permission of instructor.
Core Area: Historical and Cultural Studies.

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/211, Mr Callanan, Sched No 732401, 3 Credits

Jul 16–Aug 23, MW 6:00–8:50pm, DC 622, Staff, Sched No 732451, 3 Credits

Hist 478A
Terrorism in Modern History
This course will study the phenomena of terrorism by considering twentieth century political movements that have used or are using terror to achieve their objectives. The course will develop an analytical framework for the study of terrorism and will use this framework in exploring the historical backgrounds, objectives, ideologies, tactics, and membership profiles of selected groups, and considering the responses of their opponents. Among the groups studied will be the I.R.A., the Irgun, the P.L.O., the Baader-Meinhof, and the Ku Klux Klan.
Prerequisite: Junior standing or permission of instructor.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/417, Mr Bookbinder, Sched No 732651, 3 Credits

Hist 478B
United States and Vietnam
This course examines US involvement in Vietnam from the 1940's through 1975, including the war and its consequences.
Prerequisite: Junior standing or permission of instructor.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 622, Mr Pierce, Sched No 732851, 3 Credits

Hist 478C
War in the 20th Century
Examines the origins, the military plans and realities, and the impact of the two world wars together with a survey of the present state of armed forces and military strategies of the major world powers.

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/2/417, Mr Gagnon, Sched No 733055, 3 Credits

Humanities

Human C271
The Literature of the Holocaust
An analysis of, primarily, the imaginative literature written about Jewish suffering and death under the Nazis. The course will begin with a brief history of the Holocaust. On occasion the course will include a guest lecture as well as an interview with a survivor.
Core Area: Philosophical and Humanistic Studies.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/2/621, Mr Hoelzel, Sched No 733455, 3 Credits

Human 250
Popular Song
The study of lyrics and music and their various elements and styles in American popular songs, focusing on ballads from Irving Berlin to Rodgers and Hart to Stephen Sondheim, rhythm and blues, and beyond.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 503, Staff, Sched No 733655, 3 Credits

Italian

Ital 298
Experiencing Italy: Language and Culture I

Ital 299
Experiencing Italy: Language and Culture II

Please see description under "Special Programs" on page 15.

Labor Studies

LS 160
Introduction to Labor History and the American Labor Movement
Examines the work experience (wages, hours, conditions) in different eras from colonial times to the present; forms of collective organization such as unions and political parties; the nature of social class and class consciousness; the formation of and changes in working-class ideology; sources of cleavage such as ethnicity, race, skill and sex; and the role of working people in the making of American history.

May 29–Jul 11, MW 6:00–8:50pm, DC 510, Mr Backman, Sched No 735653, 3 Credits

Latin

Lat C101
Fundamentals of Latin I
Designed to complete a standard basic textbook with Latin C102. Offered in the fall.
Core Area: Foreign Languages.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/1/619, Staff, Sched No 736057, 3 Credits

Lat C102
Fundamentals of Latin II
Continuation of Latin C101. Offered in the spring.
Core Area: Foreign Languages.

Jul 2–Aug 1, MTuWTh 11:35am–1:35pm, HC 020/1/619, Staff, Sched No 736257, 3 Credits

Law and Justice

Law Jus 103A
Battered Women
The legal, societal, and emotional issues of battered women will be the focus of this course. Discussion of the philosophy and politics of battering, as well as the practical problems faced by battered women. A look at the social and legal remedies presently available and why their effectiveness is so limited. There will also be discussion as to how the issue of violence against women finally came to the public's attention, and how society has perpetuated the myths behind battering and how the processes which perpetuate the violence can be reversed. In addition, a look at shelters, direct action and legal and legislative reform in this area, including controversial self-defense cases involving battered women who have killed abusive spouses or lovers.

May 29–Jun 26, MW 6:00–8:50pm, DC 517, Ms Butler, Sched No 734459, 2 Credits

Law Jus 103B
Neighborhood Justice
A courtroom with no judge, no defendant, and no finding of guilt or innocence—this scene hardly conforms to our standard images of justice. Several factors, including the fiscal crisis of the state, court backlogs of caseloads, and increasing costs of adjudication have contributed to the emergence of arbitration and mediation programs that deal with a number of community disorders and minor crimes, particularly those involving juveniles. Some of these programs are extensions of the court, while others are community run and help solve disputes and rebuild communities. This course will examine the varieties and scope of this kind of mediation, its relations with the formal justice system, and its impact on individual disputants and the community.

Jun 27–Jul 11, TuTh 6:00–8:50pm, DC 509, Mr Baumann, Sched No 734659, 1 Credit

Law Jus 103C
Law and Secret Wars: The C.I.A.
This course examines the utilization of covert actions and para-military operations as one facet of U.S. foreign policy/foreign relations. The literature for this course will come from a wide variety of sources, including government reports/documents, journalistic accounts, accounts written by participants of the programs, as well as the more academic materials from the social sciences and humanities.

May 29–Jun 26, MTuWTh 11:35am–1:00pm, HC 010/1/005, Mr Baumann, Sched No 734859, 2 Credits

Law Jus 103D
Law, Crime, and the New Right
Over the past decade, the New Right has emerged as a potent influence; shaped by an uneasy alliance between the fringe old right, class conservatives, religious fundamentalists, and disenchanted former liberals, the New Right today is the major challenger to the ideology of corporate liberalism or pseudo-welfare capitalism. In this course, we will explore the positions of the New Right regarding the problem of crime. Linking together their positions or policy recommendations for such areas as the death penalty, mandatory sentencing, rules of evidence, police powers, and role and powers of the judiciary, we shall develop a coherent whole in order to develop the framework of a broader theory of law, justice, and crime control.

Jul 16–Aug 9, MTuWTh 11:35am–1:00pm, HC 010/1/055, Mr Baumann, Sched No 735053, 2 Credits

Law Jus 103E
Community Crime Control
The common model of the history of community crime control is the lynch mob of the early West hanging the suspected horse thief. In this course we will examine the broader character of this history. Beginning with the classic vigilantes, "The South Carolina Regulators," the KKK, and so on—and moving to more progressive efforts—such as the Defender, the Black Panther, and the Latin Guards, we will examine community efforts at both maintenance of social order as well as the establishment of social justice. We will specifically pay close attention to the class character of their leadership, the social composition of the members, the class interests they represented, as well as specific activities. Course material will come from the social sciences, literature, and films.

Jul 16–Aug 9, MW 6:00–8:50pm, DC 517, Mr Baumann, Sched No 735253, 2 Credits

Please also see Criminal Justice Programs of the College of Public and Community Service under "Special Programs" on page 16.

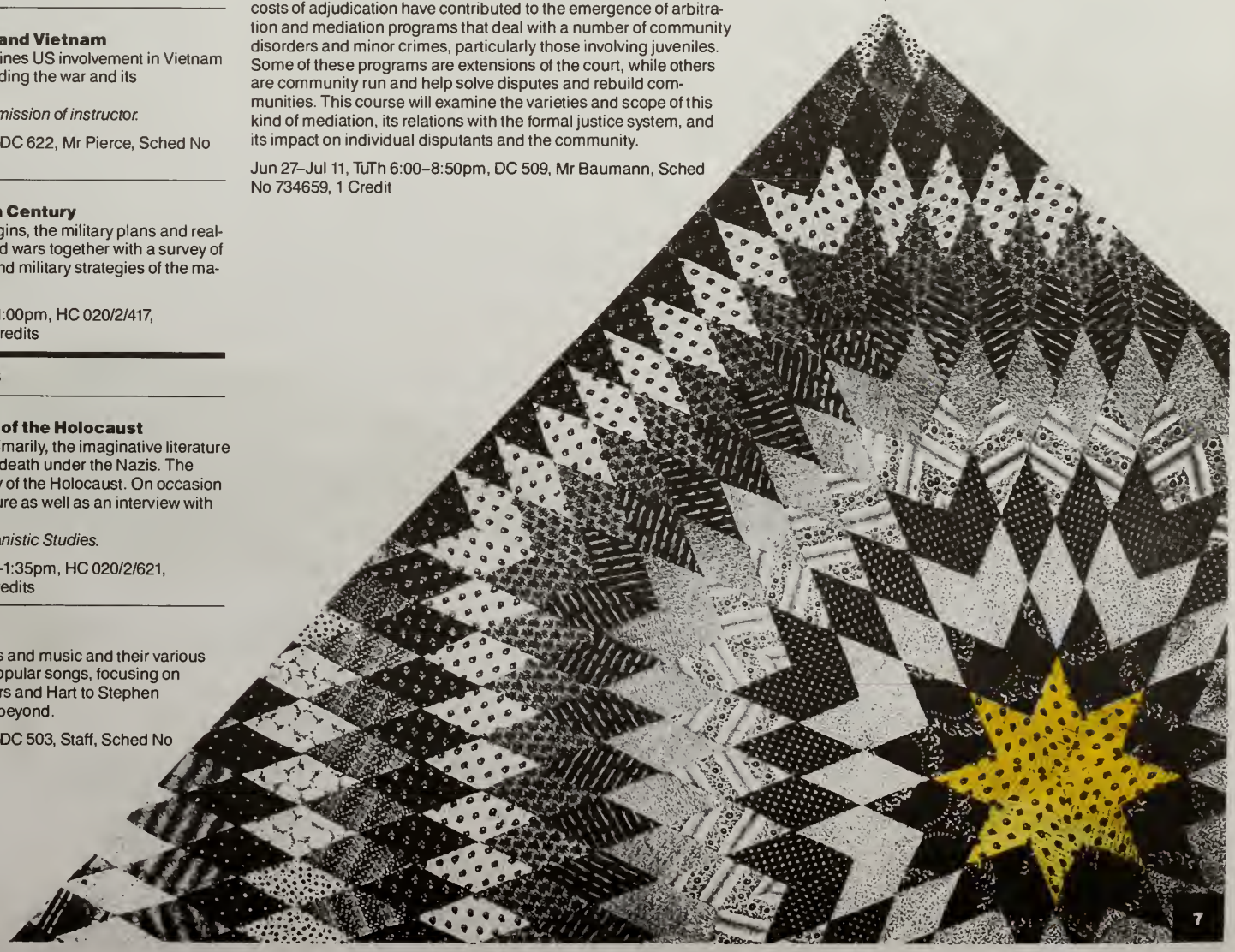
Management

Note: students matriculated in UMass/Boston's College of Management should check the bulletin board outside the Student Services Office (020/3/414) for additional information.

MGT 130
Introduction to Business
Familiarizes students with the nature of business and its relationship to other institutions in society. The course examines business ownership, organization, management, marketing, human resources management, production, and finance. In addition, the course explores issues in the relationships between capitalism and business, the law and business, and government and business.

May 29–Jul 11, TuTh 6:00–8:50pm, HC 020/1/212, Staff, Sched No 741050, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/2/211, Staff, Sched No 740856, 3 Credits



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Management Sciences

Note: students matriculated in UMass/Boston's College of Management should check the bulletin board outside the Student Services Office (020/3/414) for additional course information.

MS 110
Introduction to Computers In Management

Introduces students to computers and their use in information processing and decision making. Among the topics the course considers are evolution of information processing, data representation, program flowcharting, basic programming, and simple applications.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/214, Staff, Sched No 743703, 3 Credits

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/124, Staff, Sched No 743753, 3 Credits

Jul 16–Aug 23, TuWTh 6:00–8:15pm, HC 020/1/608, Staff, Sched No 743953, 3 Credits

Mathematics

Math Diagnosis

It is greatly to the advantage of the student to be placed in the proper course. *Students are advised to consult course descriptions for prerequisites and equivalents before registering for math courses.* To ensure placement in the right course, each student will be required to take a Math Diagnostic Test before being admitted to a course that requires this test as indicated in its description. This step will prevent loss of time in switching courses or obtaining refunds after classes have begun.

The test will be given during the following periods for students enrolling in summer math courses:

May 15, 10:00am–1:00pm, 010/1/009
May 15, 4:00–7:00pm, 010/1/009
May 16, 10:00am–1:00pm, 010/1/009
May 16, 4:00–7:00pm, 010/1/009
Jun 28, 4:00–7:00pm, 010/1/009
Jul 10, 10:00am–1:00pm, 010/1/009
Jul 10, 4:00–7:00pm, 010/1/009

Math C110
Basic Algebra

For students with weak math background who want to develop skills for further math or science courses. Covers basic high school math. Topics include: multiplying and factoring polynomials, linear equations and straight lines, fractional exponents and radicals, ratios of polynomials, quadratics, word problems. Generally limited to students with less than 3 years of high school math preparation.
Note: No student will receive graduation credits for Math C110 if it is taken after successful completion of Math C124 or C130 or a higher math course.
Prerequisite: Math Diagnostic Test only.
Core Area: Mathematics and Computer Languages.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 010/1/053, Staff, Sched No 736902, 3 Credits

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 010/1/062, Staff, Sched No 736952, 3 Credits

May 29–Jul 11, MTuWTh 7:35–9:00pm, HC 020/2/207, Staff, Sched No 737001, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 010/1/053, Staff, Sched No 737051, 3 Credits

Jul 16–Aug 23, MTuWTh 7:35–9:00pm, HC 020/2/207, Staff, Sched No 737106, 3 Credits

Math C125
Introductory Statistics

For non-science and non-mathematics majors only. Topics include: introductory statistics, covering descriptive statistics; introductory probability sufficient to enable development of inferential statistics; and inferential statistics.
Note: No student will receive graduation credits for Math C125 if it is taken after successful completion of Math 345 or 645.
Not open to mathematics majors.
Prerequisite: Math Diagnostic Test.
Core Area. Mathematics and Computer Languages.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 010/1/052, Staff, Sched No 737306, 3 Credits

May 29–Jul 11, MTuWTh 7:35–9:00pm, HC 020/2/208, Staff, Sched No 737356, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 010/1/052, Staff, Sched No 737401, 3 Credits

Math C130
Precalculus

Preparation for first year calculus. Covers symmetry, graphs, functions, lines, parabolas and max-min problems, exponential and loganthm functions, exponential growth, semilog graphing, and the trigonometric functions and their inverses. Qualified students should enter Math C140 *without* taking this course.
Note: No student will receive graduation credits for Math C130 if it is taken after successful completion of Math C140 or a higher math course. Students who have successfully completed Math C130 may not subsequently take Math C124 for credit.
Prerequisite: Math Diagnostic Test only. Successful completion of Math C110 is not enough.
Core Area: Mathematics and Computer Languages.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 010/1/056, Staff, Sched No 737601, 3 Credits

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 010/1/053, Staff, Sched No 737651, 3 Credits

May 29–Jul 11, MTuWTh 6:00–7:25pm, HC 020/2/213, Staff, Sched No 737706, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 010/1/053, Staff, Sched No 737756, 3 Credits

Jul 16–Aug 23, MTuWTh 6:00–7:25pm, HC 020/2/213, Staff, Sched No 737801, 3 Credits

Math C140
Calculus I

The first in the calculus sequence of courses for science and math majors. Starts with the basic concepts of functions and limits. Topics covered include: derivatives and their applications, definite and indefinite integrals with applications to geometrical and physical problems, discussion of algebraic and transcendental functions.
Note: A student who has received credit for Math C135 may not take Math C140 for credit without the explicit permission of the department.
Prerequisite: Math Diagnostic Test or Math C130.
Core Area: Mathematics and Computer Languages.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 010/2/125, Staff, Sched No 738605, 3 Credits

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 010/2/125, Staff, Sched No 738655, 3 Credits

May 29–Jul 11, MTuWTh 6:00–7:25pm, HC 020/2/214, Staff, Sched No 738700, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 010/2/125, Staff, Sched No 738750, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 010/1/125, Staff, Sched No 738805, 3 Credits

Jul 16–Aug 23, MTuWTh 6:00–7:25pm, HC 020/2/214, Staff, Sched No 738855, 3 Credits

Math C141
Calculus II

Continuation of Math C140. Topics include: transcendental functions, techniques of integration, applications of the integral, improper integrals, L'Hospital's rule, sequences, series.
Prerequisite: Math C140 or equivalent.
Core Area: Mathematics and Computer Languages.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 010/2/126, Staff, Sched No 739059, 3 Credits

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 010/2/126, Staff, Sched No 739104, 3 Credits

May 29–Jul 11, MTuWTh 7:35–9:00pm, HC 020/2/621, Staff, Sched No 739154, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 010/2/126, Staff, Sched No 739209, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 010/2/126, Staff, Sched No 739259, 3 Credits

Jul 16–Aug 23, MTuWTh 7:35–9:00pm, HC 020/2/621, Staff, Sched No 739304, 3 Credits

Math 240
Calculus III

Calculus of functions of several variables. Topics include: partial derivatives, transformations, derivative as a matrix, chain rule, directional derivatives, gradients, second derivatives; and multiple integrals, substitution rule, and Jacobians.
Prerequisite: Math C141 required and either Math 150 or Phys C114 strongly recommended.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 010/1/056, Staff, Sched No 739504, 3 Credits

Math 260
Linear Algebra I

Elementary theory of abstract vector spaces. Topics include: linear independence, bases, dimension, linear maps and matrices, determinants, orthogonality, eigenvalues and eigenvectors.
Prerequisite: Math C141. Math 150 is recommended.

May 29–Jul 11, MTuWTh 8:15–9;40am, HC 010/1/062, Staff, Sched No 739904, 3 Credits

May 29–Jul 11, MTuWTh 6:00–7:25pm, HC 020/2/211, Staff, Sched No 739954, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 010/1/056, Staff, Sched No 740006, 3 Credits

Computer Science Courses

Math C105
Introduction to Computer Concepts

Discussion of computer applications, components and terminology; historical and recent developments; computer "arithmetic"; processing equipment and its uses; and computer languages.
Note: No student receives graduation credits for Math C105 if it is taken after successful completion of Math C137 or a higher math course. Math majors cannot take Math C105 for credit.
Prerequisite: Math Diagnostic Test.
Core Area: Mathematics and Computer Languages.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 010/1/052, Staff, Lab Fee: $10.00, Sched No 736657, 3 Credits

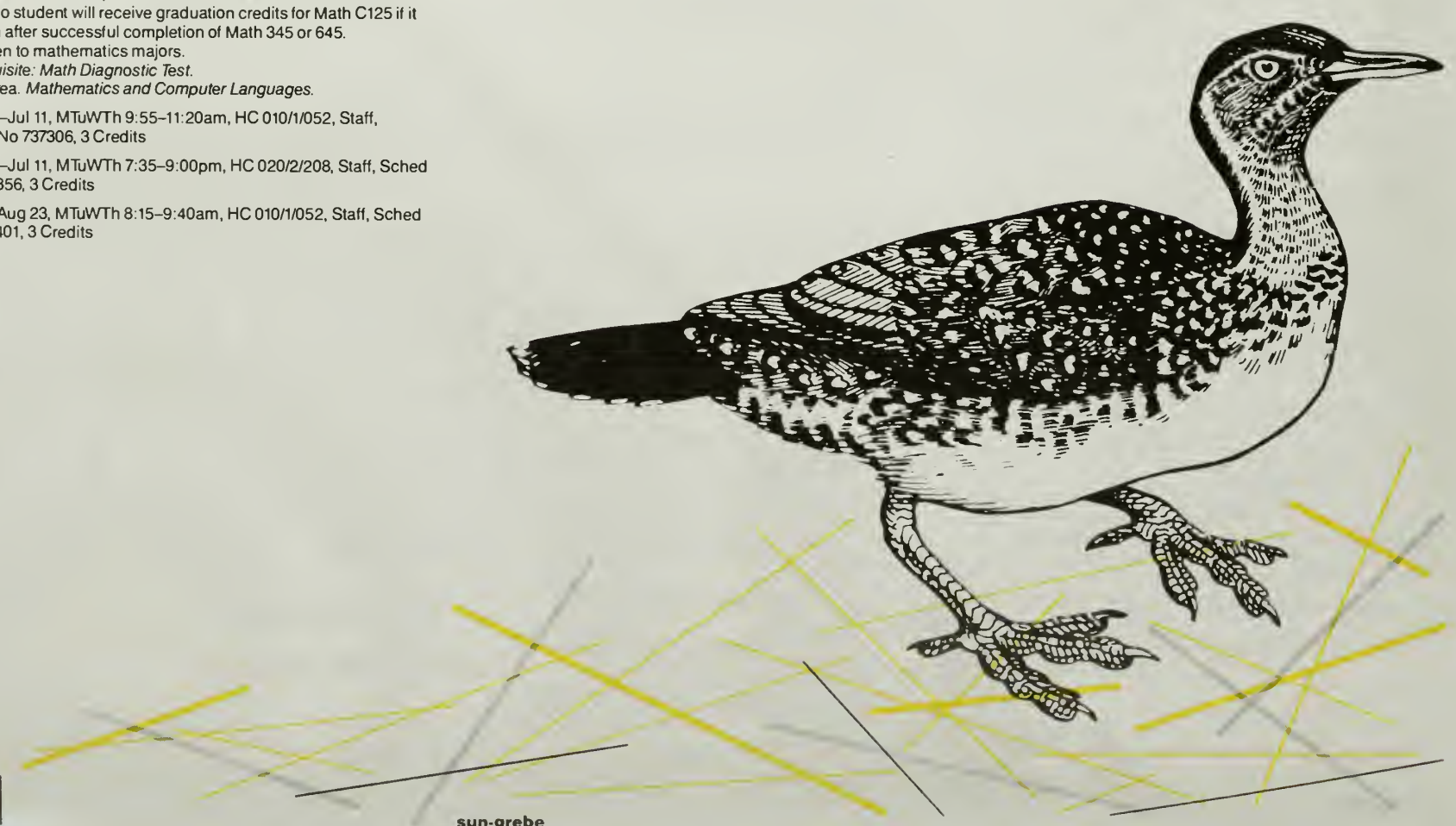
May 29–Jul 11, MTuWTh 6:00–7:25pm, HC 020/2/205, Staff, Lab Fee: $10.00, Sched No 736702, 3 Credits

Math C137
Introduction to Computing

An introduction to the computing process: problem solving with a computer and programming in a computer language. Programming problems make up a substantial part of the course.
Note: Math C137F is an alternative form of Math C137. No one may take both Math C137 and Math C137F for credit.
Prerequisite: Math Diagnostic Test.
Core Area: Mathematics and Computer Languages.

BASIC
Lect: May 29–Jul 31, MTuTh 9:55–11:20am, HC 010/1/057, Staff, Lab Fee: $10.00, Sched No 738122, 4 Credits
Disc: M 11:30am–1:00pm, HC 010/1/056, Sched No 738166
Disc: Tu 11:30am–1:00pm, HC 010/1/056, Sched No 738172
Disc: Th 11:30am–1:00pm, HC 010/1/056, Sched No 738188

Fortran
May 29–Jul 31, MTuTh 6:00–7:25pm, HC 020/3/617, Staff, Lab Fee: $10.00, Sched No 738138, 4 Credits



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Math C138
Intermediate Computing
The design and implementation of computer programs in a higher level language, with emphasis on proper design principles, proper utilization of advanced programming concepts, advanced features of the programming language and efficient debugging techniques. The assignments are designed to introduce the student to all varieties of topics in computing, for example: text processing, compiling techniques, Turing machines.
Prerequisite: Math C137 or permission of instructor.
Core Area: Mathematics and Computer Languages.

Lect: May 29–Jul 31, MTuTh 9:55–11:20am, HC 010/2/198, Staff, Lab Fee: $10.00, Sched No 738427, 4 Credits
Disc: M 11:30am–1:00pm, HC 010/1/061, Sched No 738461
Disc: Tu 11:30am–1:00pm, HC 010/1/061, Sched No 738477
Disc: Th 11:30am–1:00pm, HC 010/1/061, Sched No 738483

May 29–Jul 31, MTuTh 7:35–9:00pm, HC 020/3/617, Staff, Lab Fee: $10.00, Sched No 738433, 4 Credits

Math 250
Numerical Computing
An introduction to the classical techniques of numerical analysis: root finding, approximation and interpolation and integration. A thorough discussion of problems of error and of floating and fixed point computation. Students will be expected to solve a number of numerical problems using the computer. (Primarily for applications of interest to students in applied math, engineering, physics, chemistry, biology, psychology and economics.)
Note: The fee for this three credit course is $172.50.
Prerequisite: Math C141 and 260; or permission of instructor.

May 29–Jul 31, MTuTh 8:15–9:40am, HC 010/2/127, Staff, Sched No 739704, 3 Credits

Math 267
Machine and Assembly Language Programming
A detailed description of the structure and machine language of digital computers and of the hardware components of computing systems. The use of assembly language and its relation to higher level programs and data structures will be explored. Students will be expected to complete a number of programs exemplifying the techniques of the course.
Note: The fee for this three credit course is $172.50.
Prerequisite: Math C138 or permission of instructor.

Lect: May 29–Jul 31, MTuTh 9:55–11:20am, HC 010/2/127, Staff, Lab Fee: $20.00, Sched No 740278, 3 Credits
Disc: M 11:30am–1:00pm, HC 010/1/053, Sched No 740301
Disc: Tu 11:30am–1:00pm, HC 010/1/053, Sched No 740317

Math 330
Applied Discrete Mathematics
An introduction to the algebraic structures used in computing: sets, mathematical induction, ordered sets, Boolean algebras, calculus, graphs, trees, finite fields, error-correcting codes, and automata theory. Proofs of theorems about these structures will be constructive (algorithmic). Applications to computing will be discussed.
Prerequisite: Math C137, C141, and 260; or permission of instructor.

May 29–Jul 31, MTuTh 8:15–9:40am, HC 010/1/054, Staff, Sched No 740456, 3 Credits

Music

Music C110
The Listening Experience
This course assists students in developing skills of comprehension and in deepening musical understanding. Technical language, sometimes necessary in identifying musical processes, is kept to a minimum. At first, attention is focused on specific elements proper to music: rhythm, melody, harmony, texture, and basic organizational principles. These are related to comparable elements in other arts. Students subsequently discover how the elements of music work together in representative works drawn from a wide repertory. Historical changes in musical style are also observed.
Core Area: The Arts.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 010/1/005, Mr Patterson, Sched No 745901, 3 Credits

Music C111
Introduction to Music
Basic music materials, principles of design, and the cultural significance of representative works in historical sequence. Designed primarily for non-music majors.
Core Area: The Arts.

May 29–Jul 11, MW 6:00–8:50pm, HC 010/1/005, Mr Patterson, Sched No 746105, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 010/1/005, Mr Plotkin, Sched No 746155, 3 Credits

Nursing

Nursing 201
Pathophysiology
This course deals with alterations in the normal physiology of body structures. The course first discusses normal states, then physiological changes that ultimately result in the symptoms of disease. It considers the various body systems (e.g., cardiovascular, renal, respiratory, endocrine).

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 010/1/057, Mr Segelman, Sched No 746555, 3 Credits

Nursing 305
Health Assessment I
The focus of this course is on assessment, the first phase of the nursing process. Introducing students to the basic processes of health assessment, the course presents interviewing and history taking as major elements of the communication process and describes the physical examination techniques of inspection, palpation, percussion, auscultation, measurement, and instrumentation as extensions of the observation process. The course also emphasizes the nursing diagnostic statement as the basis for planning nursing management. Systems analysis of the subsystems of the human body is the organizing framework of the course.
Prerequisites: Admission to the nursing major and Nursing 300, 301, 302.

May 29–Jun 28, TuWTh 9:00am–1:30pm, HC 010/1/063, Staff, Sched No 746755, 4 Credits
Summer Course Fee: $500.00
Lab Fee: $20.00

Nursing 306
Health Assessment II
A continuation of Nursing 301, this course further considers communication processes and adds further physical examination techniques to the repertoire of observation skills. The course emphasizes the interpretation of physical data in the light of underlying anatomical structures and physiological processes. Students are introduced to radiographic and laboratory assessment as additional means of client evaluation. Students apply the content of the course in practica.
Prerequisite: Nursing 305.

Jul 2–Aug 1, TuWTh 9:00am–1:30pm, HC 010/1/063, Staff, Sched No 747004, 4 Credits
Summer Course Fee: $500.00
Lab Fee: $20.00

Occupational Education

Courses offered through the Center for Occupational Education are subject to final University approval.

Occ Ed 502
Vocational Education Programming for Special Needs Students
This course will introduce vocational education students to contemporary concepts of vocational education for students with special needs. Among topics to be considered are the nature of handicapping conditions, state and federal regulations dealing with the handicapped, educational planning for the handicapped and the social issues involved in instructing special needs students.

May 29–Jul 11, MTuWTh 4:00–6:30pm, North Shore Regional Vocational High School, Beverly, Staff, Sched No 769731, 3 Credits

May 29–Jul 11, MTuWTh 4:00–6:30pm, Occupational Resource Center, Staff, Sched No 769753, 3 Credits

Jul 16–Aug 23, MTuWTh 10:00am–12:30pm, Occupational Resource Center, Staff, Sched No 769769, 3 Credits

Occ Ed 520
Career/Vocational Assessment and Evaluation for Special Needs Students
This course will seek to develop students' understanding of the underlying rationale and theoretical basis of vocational assessment with an emphasis on psychomotor, cognitive and affective issues as they are expressed in an educational profile. A thorough review of psychometric testing, including vocational aptitude batteries, work sample instruments and interest inventories, will be conducted. Interpretation and report writing will be stressed as well as discussion of implementation issues of vocational assessment in public school settings.

May 29–Jul 11, MTuWTh 3:00–5:30pm, Winthrop Junior High School, Staff, Sched No 769820, 3 Credits

May 29–Jul 11, MTuWTh 7:00–9:30pm, Occupational Resource Center, Staff, Sched No 769836, 3 Credits

Occ Ed 545
Safety Programs for Administrators and Teachers of Occupational Education
This course is designed to develop the ability to recognize, avoid, and prevent hazards in the school and work settings. An in-depth review of laws relating to safety and of safety standards developed by OSHA will provide the basis for the development of sound safety practices. Safety check lists will be developed and plans drawn for viable school safety programs. The need for, the function and the use of safety committees, accident reporting, record keeping, and personnel protective devices will be discussed.

Jun 25–Jul 23, MTuWTh 9:00am–4:30pm, Occupational Resource Center, Staff, Sched No 770011, 3 Credits

Ind Arts 221
Graphic Arts II
This is a workshop course using processes of offset and letterpress printing. The major process used will be offset printing where students will produce a printed job from planning stages through actual production and binding. The course is intended to prepare students to instruct and produce photo graphics curricula for the teaching of printing at the secondary level.
Prerequisites: Ind Arts 210; Ind Arts 220.

May 29–Jul 11, MTuWTh 4:00–6:30pm, Occupational Resource Center, Staff, Sched No 769319, 3 Credits

Ind Arts 230
Electronics I
Introduction to basic AC/DC circuit theory. Topics included in the discussion are resistors, parallel series combinations, voltage generation and sources, Ohm's Law, equivalent circuits, electromagnetic principles, measuring techniques and instruments, inductors, capacitators, R-C time constants, average and R.M.S. values of sine waves, A.C. circuit analysis, resonance circuits. This course includes laboratory experiments to reinforce theoretical concepts. Included is some electronic circuit assembly.
Prerequisite: Ind Arts 210.

May 29–Jul 11, MTuWTh 4:00–6:30pm, Melrose High School, Staff, Sched No 769036, 3 Credits

May 29–Jul 11, MTuWTh 4:00–6:30pm, Occupational Resource Center, Staff, Sched No 769042, 3 Credits

Ind Arts 262
Small Engines
A comprehensive hands-on course covering all aspects of small engine mechanics. Theory of small engine mechanics and tactile skills are emphasized. Engine types emphasized will be two and four cylinder stroke cycle engines, air and liquid cooled, gasoline and diesel engines, horsepower range 2.0 to 100.
Prerequisites: Ind Arts 210 and Massachusetts classroom teaching certificate.

May 29–Jul 11, MTuWTh 7:00–9:30pm, Occupational Resource Center, Staff, Sched No 769119, 3 Credits

Ind Arts 265
Construction
This course presents a survey of methods, types, and basic processes of wood frame construction. Every phase in the construction of wood frame buildings, from the initial masonry work to the plastering and final trimming will receive some consideration. Special emphasis will be given to energy efficiency in design and to possible uses of alternative sources of energy.
Prerequisite: Massachusetts classroom teaching certificate.

May 29–Jul 11, MTuWTh 7:00–9:30pm, Salem High School, Staff, Sched No 769169, 3 Credits

Ind Arts 301
Woodworking II
This is an advanced course in woodworking offered to students desiring background and skill development in the associate techniques and materials used in the woodworking industry. Planing, rough cutting, assembly and finish are some areas covered with an introduction to specialized areas of the trade. Methods of mass production are demonstrated throughout the course.
Prerequisite: Ind Arts 201.

May 29–Jul 11, MTuWTh 4:00–6:30pm, Watertown High School, Staff, Sched No 769292, 3 Credits

Ind Arts 440
Architectural Drawing and Design
The main emphasis of the course is to have students develop proficiency in the analysis and execution of working drawings of house plans. The students will successfully compose plot plans, floor plans, foundation plans, elevations, construction plans and pictorial drawings of a house. The ultimate outcome of this course is to make students aware of the correct procedure and procedural nomenclature for composing a complete set of house drawings.
Prerequisites: Ind Arts 240 and 340.

May 29–Jul 11, MTuWTh 4:00–6:30pm, Lowell High School, Staff, Sched No 769436, 3 Credits

Sec Ed 201
Educational Psychology
A study of psychological facts and principles fundamental to learning, teaching, and personal relationships between teacher and learner. Developmental theories will be examined.

May 29–Jul 11, MTuWTh 4:00–6:30pm, New Bedford High School, Staff, Sched No 759227, 3 Credits

Sec Ed 420
Tests and Measurements
Theory and practice of measurement and evaluation in the secondary school. This course will examine standardized and teacher-devised instruments; individual and group measurement of achievement and intelligence; introductory statistics as they pertain to tests and measurements; marking and grading.

May 29–Jul 11, MTuWTh 4:00–6:30pm, North Shore Regional Vocational High School, Beverly, Staff, Sched No 759627, 3 Credits

May 29–Jul 11, MTuWTh 4:00–6:30pm, South Shore Regional Vocational High School, Hanover, Staff, Sched No 759633, 3 Credits

Physical Education

PE Hlt 102
Health Science
This course stresses scientific information and the development of health practices contributing to effective living.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 010/1/058, Staff, Sched No 747654, 3 Credits

PE Ath 530
Sports Medicine Seminar
Please see description under "Special Programs" on page 15.

Philosophy

Phil C100
Introduction to Philosophy
An introductory examination of the problems and scope of philosophy.
Core Area: Philosophical and Humanistic Studies.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/614, Mr. Lott, Sched No 748058, 3 Credits

May 29–Jul 11, MW 6:00–8:50pm, DC 509, Mr Lidz, Sched No 748103, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/1/420, Mr Baynes, Sched No 748153, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 503, Mr Flesche, Sched No 748208, 3 Credits

See "Location Key" on page 2 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Phil C108
Moral and Social Problems
Important moral and social issues of current concern will be examined and debated. The course covers three problems each semester from a list including: criminal punishment, war, abortion, racism, violence, the death penalty, private property, and sexism.
Core Area: Philosophical and Humanistic Studies.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 010/1/012, Mr Lidz, Sched No 748408, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/1/614, Mr Lande, Sched No 748458, 3 Credits

Phil C120
Introduction to Logic
The forms of valid reasoning, deductive and inductive, and their role in reflective thinking, formal logic, truth functions, quantifiers, proofs of formal adequacy, the classical problem and new riddle of induction, reasoning with probabilities and elements of game theory.
Core Area: Mathematics and Computer Languages.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/209, Mr Sassower, Sched No 748658, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/209, Mr Lande, Sched No 748703, 3 Credits

Phil 388
Moral Issues
Application of advanced philosophical techniques to case studies and philosophical issues concerning three or four interrelated moral issues, such as suicide, self-defense, capital punishment, abortion, and euthanasia. Emphasis on contemporary sources with some consideration of the views of classical philosophers. Approximately one month is spent on each issue.
Prerequisite: Philosophy 100 or C108 or 108 or permission of the instructor.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 010/1/032, Mr Lott, Sched No 748903, 3 Credits

Physics

Phys C107
College Physics I
Non-calculus introductory physics for the student with a strong interest or background in science. Topics in mechanics, wave motion, heat, kinetic theory of gases, electricity, optics, atomic and nuclear physics. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Phys 171.
Note: Enrollment is limited. Priority is given to students registering for both C107 and 171.
Prerequisite: Math C130 or permission of instructor.
Core Area: Natural Sciences.

Lect: May 29–Jul 11, MTuWTh 8:00–9:50am, HC 080/1/006, Staff, Sched No 749307, 3 Credits
Disc: M 9:55–11:20am, HC 080/2/062, Sched No 749357
Disc: Tu 9:55–11:20am, HC 080/2/062, Sched No 749402
Disc: W 9:55–11:20am, HC 080/2/062, Sched No 749452
Disc: Th 9:55–11:20am, HC 080/2/063, Sched No 749507

Phys C108
College Physics II
A continuation of Phys C107. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Phys 172.
Note: Enrollment is limited. Priority is given to students registering for both C108 and 172.
Prerequisite: Phys C107 or permission of instructor.
Core Area: Natural Sciences.

Lect: Jul 16–Aug 23, MTuWTh 8:00–9:50am, HC 080/1/006, Staff, Sched No 749707, 3 Credits
Disc: M 9:55–11:20am, HC 080/2/062, Sched No 749757
Disc: Tu 9:55–11:20am, HC 080/2/062, Sched No 749802
Disc: W 9:55–11:20am, HC 080/2/062, Sched No 749852

Phys C113
Fundamentals of Physics I
Topics in classical physics, including mechanics, thermodynamics, and kinetic theory. Basic concepts of calculus are introduced within the context of physical phenomena. Students who need or want laboratory work in physics should enroll concurrently in Phys 171.
Note: Enrollment is limited. Priority is given to students registering for both C113 and 171.
Corequisite: Math C140; Corequisite for physics majors—Phys 171.
Core Area: Natural Sciences.

Lect: May 29–Jul 11, MTuWTh 8:00–9:50am, HC 020/2/200, Staff, Sched No 750059, 4 Credits
Disc: MW 9:55–11:20am, HC 010/1/064, Sched No 750154
Disc: TuTh 9:55–11:20am, HC 010/1/064, Sched No 750209

Lect: May 29–Jul 11, MTuWTh 5:00–6:50pm, DC 222, Staff, Sched No 750104, 4 Credits
Disc: MW 7:00–8:25pm, Sched No 750259
Disc: TuTh 7:00–8:25pm, Sched No 750304

Phys C114
Fundamentals of Physics II
Electricity, magnetism, waves and light, further development of mathematical tools of physics. Students who need or want laboratory work in physics should enroll concurrently in Phys 172. Phys C114 may be substituted for Math 150 as a prerequisite for Math 240.
Note: Enrollment is limited. Priority is given to students registering for both C114 and 172.
Prerequisite: Phys C113 or permission of instructor.
Corequisite: Math C141; Corequisite for physics majors—Phys 172.
Core Area: Natural Sciences.

Lect: Jul 16–Aug 23, MTuWTh 8:00–9:50am, HC 010/1/064, Staff, Sched No 750554, 4 Credits
Disc: MW 9:55–11:20am, HC 010/1/064, Sched No 750659
Disc: TuTh 9:55–11:20am, HC 010/1/064, Sched No 750704

Lect: Jul 16–Aug 23, MTuWTh 5:00–6:50pm, DC 222, Staff, Sched No 750609, 4 Credits
Disc: MW 7:00–8:25pm, Sched No 750809
Disc: TuTh 7:00–8:25pm, Sched No 750859

Phys 181
Physics Laboratory I
Laboratory work in mechanics, thermodynamics, electricity and magnetism, and optics. Students are offered the opportunity to develop extended projects with the guidance of the instructor. The course is designed for science majors or others having interest in exploring and explaining physical phenomena through laboratory work.
Corequisite: Phys C107 or C113.

Lab: May 29–Jul 11, M 11:30am–2:00pm, HC 080/3/029, Sched No 751570, 1 Credit
Lab: May 29–Jul 11, M 11:30am–2:00pm, HC 080/3/031, Sched No 751586, 1 Credit
Lab: May 29–Jul 11, Tu 11:30am–2:00pm, HC 080/3/029, Sched No 751592, 1 Credit
Lab: May 29–Jul 11, Tu 11:30am–2:00pm, HC 080/3/031, Sched No 751603, 1 Credit
Lab: May 29–Jul 11, W 11:30am–2:00pm, HC 080/3/029, Sched No 751619, 1 Credit
Lab: May 29–Jul 11, W 11:30am–2:00pm, HC 080/3/031, Sched No 751625, 1 Credit
Lab: May 29–Jul 11, Th 11:30am–2:00pm, HC 080/3/029, Sched No 751631, 1 Credit
Lab: May 29–Jul 11, Th 11:30am–2:00pm, HC 080/3/031, Sched No 751647, 1 Credit
Lab: May 29–Jul 11, Tu 7:30–9:30pm, HC 080/3/029, Sched No 751653, 1 Credit
Lab: May 29–Jul 11, Tu 7:30–9:30pm, HC 080/3/031, Sched No 751669, 1 Credit

Phys 182
Physics Laboratory II
Second of two semesters of laboratory work in mechanics, thermodynamics electricity and magnetism, and optics. Students are offered the opportunity to develop extended projects with the guidance of the instructor. The course is designed for science majors and others having interest in exploring and explaining physical phenomena through laboratory work.
Corequisite: Phys C108 or C114.

Lab: Jul 16–Aug 23, M 11:30am–2:00pm, HC 080/3/029, Sched No 752124, 1 Credit
Lab: Jul 16–Aug 23, M 11:30am–2:00pm, HC 080/3/031, Sched No 752130, 1 Credit
Lab: Jul 16–Aug 23, Tu 11:30am–2:00pm, HC 080/3/029, Sched No 752146, 1 Credit
Lab: Jul 16–Aug 23, Tu 11:30am–2:00pm, HC 080/3/031, Sched No 752152, 1 Credit
Lab: Jul 16–Aug 23, W 11:30am–2:00pm, HC 080/3/029, Sched No 752168, 1 Credit
Lab: Jul 16–Aug 23, W 11:30am–2:00pm, HC 080/3/031, Sched No 752174, 1 Credit
Lab: Jul 16–Aug 23, Tu 7:30–9:30pm, HC 080/3/029, Sched No 752180, 1 Credit
Lab: Jul 16–Aug 23, Tu 7:30–9:30pm, HC 080/3/031, Sched No 752196, 1 Credit

Political Science

Pol Sci C122
Government and Politics of the United States
The three main branches of the national government, federalism, political parties, interest groups, and governmental functions.
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 010/1/010, Mr Ward, Sched No 752502, 3 Credits

May 29–Jul 11, MW 6:00–8:50am, DC 621, Mr Waldstein, Sched No 752552, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/1/617, Mr Waldstein, Sched No 752607, 3 Credits

Pol Sci C123
Political Ideas of the Twentieth Century
Major political viewpoints of the present, including Conservatism, Liberalism, Marxism, and Fascism.
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/1/617, Mr Langley, Sched No 752807, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 610, Mr Greco, Sched No 752857, 3 Credits

Pol Sci C220
International Relations
Through the examination of past and current international events, this course will identify basic principles and concepts which explain the behavior of nations; and it will provide an introduction to the general area of social and behavioral sciences. Special attention will be given to the role of war, economic relations, technology, ideologies (Marxism and Capitalism-Liberalism in particular), and various attempts like those of the United Nations to regulate international conflict. Of particular concern will be the role of the Third World and its perspective, the dynamics of global interdependence, and the psychological dimension which ultimately determines how nations perceive each other. This course will also help students develop their analytic skills in speaking, reading, and writing.
Prerequisite: Sophomore standing.
Core Area: Social and Behavioral Sciences.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/2/206 Ms Peters, Sched No 753017, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/205, Mr Greco, Sched No 753106, 3 Credits

Pol Sci 424
American Foreign Policy
Major issues and problems of American foreign policy in the contemporary world. The domestic sources of foreign policy. Problems examined will vary from year to year.
Prerequisite: Junior standing.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/206, Mr Langley, Sched No 753306, 3 Credits

Pol Sci 477
Power and Policy: The USA and the USSR
An analysis of the political institutions, leadership, and practices in the Soviet Union and the United States. The focus is on the structure of the government, the role of ideology, and political culture, the relationship between government, society, and political decision-making in the realms of both domestic and foreign policy.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/421, Ms Lieberman, Sched No 753467, 3 Credits

Pol Sci 488
Field Work in Politics
Carefully supervised field work, available only to a limited number of qualified students in any one semester. Written prospectus of the project, periodic conferences with a faculty advisor, and appropriate written work required.
Prerequisites: Completion of a relevant course, and permission of department.

By Arrgt, (contact the Political Science Department), Mr Beard, Sched No 753706, 3 Credits

Pol Sci 590
Field Practicum in Politics
Prerequisite: Approval of Political Science Department.

By Arrgt, (contact the Political Science Department), Mr Beard, Sched No 753906, 9 Credits

Psychology

Psych C100
Introductory Psychology
An introduction to the scientific study of individuals and their behavior including an examination of human development, psychological processes (for example, feeling, thinking, learning), personalities, social relationships and biological processes. Course assignments and classroom work will integrate the course content with training in writing skills.
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/209, Staff, Sched No 754300, 3 Credits

May 29–Jul 11, MW 6:00–8:50pm, DC 503, Staff, Sched No 754350, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/2/213, Staff, Sched No 754405, 3 Credits

Psych 101
Introductory Psychology
A general survey of selected content areas in psychology, including personality and human development, physiological psychology, learning, intelligence, heredity and environment, motivation and emotion.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/423, Staff, Sched No 754805, 3 Credits

May 29–Jul 11, TuTh 6:00–8:50pm, DC 510, Staff, Sched No 754855, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 624, Staff, Sched No 754900, 3 Credits

Psych C102
Introduction to Behavioral Research
An introduction to the ways of discovering, describing, and making warranted assertions about aspects of people and social life. The chief objectives are: 1) to develop the skills and knowledge necessary to become an intelligent critic of research in the behavioral and social sciences and 2) to impart a rudimentary understanding of the design and evaluation of scientific research. Statistical material will be treated in a conceptual manner. Course assignments and classroom work will integrate the course content with training in writing skills.
Prerequisite: Psych C100.
Core Area: Social and Behavioral Sciences.

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/209, Staff, Sched No 754605, 3 Credits

See "Location Key" on page 2 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Psych 200
Personality
Conceptions of human nature are examined in light of various theories of personality. This course focuses on the theories of Freud, Adler, Sullivan, Erikson, Kelly, Ego psychologists, and other theorists presenting the behavioristic and humanistic perspectives. Among the topics to be addressed are: personality structure and its development; stress and coping, neurotic styles; human motives and their measurement.
Prerequisite: Psych C100 or 101.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/621, Staff, Sched No 755104, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 510, Staff, Sched No 755154, 3 Credits

Psych 215
Psychopathology
Etiology, dynamics and treatment of psychopathology.
Prerequisite: Psych C100 or 101.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/213, Staff, Sched No 755354, 3 Credits

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/213, Staff, Sched No 755409, 3 Credits

Psych 230
Social Psychology
A scientific attempt to understand and explain how the thought, feeling, and behavior of individuals are influenced by the actual, imagined, or implied presence of others; focuses on the drama of social interaction.
Prerequisite: Psych 101.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/205, Staff, Sched No 755609, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/205, Staff, Sched No 755659, 3 Credits

Psych 241
Infancy and Childhood Development
This course explores human development from infancy to middle childhood, i.e., from childbirth to ages seven or eight. Major emphasis will be placed on early perceptual, cognitive, social and affective development bearing the following questions in mind: How does the world of space and objects appear to the infant? How does he or she acquire knowledge and discover reality? How does the child experience the world of people and develop a sense of self? How does the child develop attachments to others and what role do the significant people play in his or her life?
Prerequisite: Psych C100 or 101.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/423, Staff, Sched No 755859, 3 Credits

May 29–Jul 11, MW 6:00–8:50pm, DC 507, Staff, Sched No 755904, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/621, Staff, Sched No 755954, 3 Credits

Psych 242
Adolescence
This course is designed to acquaint students with psychological characteristics of adolescent development, theoretical approaches to adolescence, and experimental studies of the causes of a variety of behaviors during adolescence. The course will also focus upon major problems and characteristics of adolescents in modern society.
Prerequisite: Psych C100 or 101.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/423, Staff, Sched No 756158, 3 Credits

May 29–Jul 11, TuTh 6:00–8:50pm, DC 507, Staff, Sched No 756203, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/2/423, Staff, Sched No 756253, 3 Credits

Psych 243
Psychology of Adult Development ad Human Aging
A developmental approach to human integrity and functioning in the second half of the lifespan. Stereotyped ideas about the aging process are critically reviewed. Special attention is given to newer approaches to facilitating psychological well-being in the latter years of life.
Prerequisite: Psych C100 or 101.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/211, Staff, Sched No 756453, 3 Credits

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 507, Staff, Sched No 756508, 3 Credits

Psych 250
Learning and Memory
An introduction to current views of behavioral change, learning and remembering. The course focuses on concepts, theoretical issues and applications of current research.
Prerequisite: Psych C100 or 101.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/621, Staff, Sched No 756708, 3 Credits

Psych 260
Physiological Psychology
An examination, in depth, of selected topics in physiological psychology, including the evolution of the vertebrate nervous system, communication in the central nervous system, physiological methods, emotion, reward and punishment.
Prerequisite: Psych C100 or 101 or Biol 111.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 010/1/029, Staff, Sched No 756908, 3 Credits

Psych 300
Psychological Testing
An examination of the assessment process and the methods (tests, interviews, observations) used in it. Emphasis on the standards of validity for tests and procedures and on proper test use. Introduction to some major psychological tests.
Prerequisites: Psych C100 or 101 and C102 or 102 or 270.

May 29–Jul 11, MW 6:00–8:50pm, DC 505, Staff, Sched No 757102, 3 Credits

Study of Religion

Rel Std C104
Socrates, Jesus, Buddha
A study of three great paradigmatic figures and the different ways of life and views of reality which they represented. Attention to the social-cultural contexts in which they emerged; critical evaluation of Socrates and Jesus as sources of Western values; and exploration of why the Buddha has recently become an attractive alternative.
Core Area: Philosophical and Humanistic Studies.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 519, Mr LaFargue, Sched No 757702, 3 Credits

Rel Std C241
Myth, History, and Prophecy
Interpretation of the religion and literature of ancient Israel in comparison with the mythic religious forms of the ancient Near East with some attention to subsequent biblical interpretation, literature and philosophy. Central themes include myth and history, covenant, charismatic leadership, imperial religion, prophetic protest and apocalyptic visions. Emphasis is placed on writing and critical thinking.
Core Area: Historical and Cultural Studies.

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/621, Staff, Sched No 757902, 3 Credits

Rel Std 480
Tao, Buddhism, and Zen
With their emphasis on self-reliance, clarity, and calmness of spirit, and inner personal transformation, Eastern religious traditions have had an enduring fascination for Westerners. This intensive course will include a survey of the early development of three particular Eastern religious movements: Indian Buddhism, Chinese Taoism, and the synthesis of these two traditions later in Zen Buddhism. There will be readings from the classical writing in each case, as well as from modern representatives of these traditions, and class discussion of their relevance to modern issues.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/1/612, Mr LaFargue, Sched No 758106, 3 Credits

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Russian

Russ C201
Intermediate Russian I
Review and continuation of basic grammar. Conversation and reading with emphasis on comprehension, developing reading skills, vocabulary building, and translation from Russian to English.
Prerequisite: Russ C102 or equivalent.
Core Area: Foreign Languages.

Lect: May 29–Jul 11, MTuWTh 9:55–11:50am, HC 020/2/624, Staff, Sched No 758506, 4 Credits
Lab: MTuW 12:00–12:45pm, Lab Fee: $4.00, Sched No 758556

Russ C202
Intermediate Russian II
Prerequisite or corequisite for all advanced-level courses in the department. Particular attention to grammatical problems that arise in reading. Principles of Russian word formation as an aid to increasing vocabulary. Intensive reading, Russian to English translation, and conversation.
Prerequisite: Russ C201 or equivalent.
Core Area: Foreign Languages.

Lect: Jul 16–Aug 23, MTuWTh 9:55–11:50am, HC 020/2/624, Staff, Sched No 758756, 4 Credits
Lab: MTuW 12:00–12:45pm, Lab Fee: $4.00, Sched No 758801,

Russ 303
Composition and Conversation
Intensive training in conversation and composition. Readings, discussions, dialogues, reports and essays based on texts in various fields.
Prerequisite: Russ C201.

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/1/421, Staff, Sched No 759005, 3 Credits

Secondary Education

Sec Ed 337
History and Principles of Teaching Secondary Education
This course examines perennial historical issues in relation to the contemporary educational scene, both local and national. Principal emphasis will be given to the historical role and function of the secondary school in a free society. A humanistic and values-oriented approach.

Jul 16–Aug 23, TuTh 6:00–8:50pm, HC 020/1/415, Mr Natale, Sched No 759405, 3 Credits

Sec Ed 420
Tests and Measurements
Theory and practice of measurement and evaluation in the secondary school. This course will examine standardized and teacher-devised instruments; individual and group measurement of achievement; introductory statistics as they pertain to tests and measurements; marking and grading.

Jul 16–Aug 23, MW 6:00–8:50pm, HC 020/1/415, Mr Natale, Sched No 759605, 3 Credits

Sociology

Sociol C101
Introduction to Sociology
The structure of society, cultural patterns, and group life. The individual and socialization, groups, institutions, social systems, social change.
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/207, Staff, Sched No 760002, 3 Credits

May 29–Jul 11, MTuWTh 11:35am–1:00pm, HC 020/2/214, Staff, Sched No 760052, 3 Credits

Jul 16–Aug 23, MW 6:00–8:50pm, DC 507, Staff, Sched No 760107, 3 Credits

Sociol 101
Introduction to Sociology
The structure of society, cultural patterns and group life; the individual and socialization, groups, institutions, social systems, social change.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 624, Staff, Sched No 760557, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/207, Staff, Sched No 760602, 3 Credits

Sociol 160
Social Problems and Social Policy
A course concentrating on institutional formation and change. Specifically, it will cover the definition and explanation of social problems, individual, group and governmental responses to them, implications of social policy, in-depth case studies and discussion of contemporary social problems.
Prerequisite: Sociol C101 or 101.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 010/1/042, Staff, Sched No 760802, 3 Credits

Sociol 231
Social Stratification
Social classes in traditional and industrial societies; classes, castes, and mobility. Theories of class relationships and conflicts.
Prerequisite: Sociol C101 or 101.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/2/616, Staff, Sched No 761006, 3 Credits

Sociol C242
Sociology of the Family
A comparative and historical analysis of family systems. Emphasis on the development and future prospects of the nuclear family in middle class industrial society
Prerequisite: Sociol C101 or 101.
Core Area: Social and Behavioral Sciences.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 010/1/019, Staff, Sched No 760307, 3 Credits

Jul 16–Aug 23, MW 6:00–8:50pm, DC 509, Staff, Sched No 760357, 3 Credits

Sociol 261
Social Deviance and Control
The social conditions of individual and group behavior disorders, deviant subcultures and social control.
Prerequisite: Sociol C101 or 101.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 517, Staff, Sched No 761206, 3 Credits

Sociol 342
Aging and Society
An examination of theories and research on aging and society. The course is organized in two sections. The first section explores the general relationship of the aging process and the aged to the social, economic and political systems in a youth-oriented and work-oriented society. The second section draws upon cross-national and cross-cultural material.
Prerequisite: Sociol C101 or 101.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/206, Staff, Sched No 761406, 3 Credits

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/208, Staff, Sched No 761456, 3 Credits

Sociol 361
Criminology
A general survey and analysis of adult crime. Attention to historical development of criminological thought, societal reaction to crime and behavioral systems. Emphasis on theories of criminality and issues in the administration of justice by police and courts.
Prerequisites: Sociol C101 or 101 and junior or senior standing.

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/417, Staff, Sched No 761656, 3 Credits

Sociol 382
Social Psychology of Sex Roles—Men and Women in Society
An analysis of male and female roles in society with consideration of biological and psychological factors. Attention to socialization processes which reflect society's functional definition of acceptable and deviant sex roles.
Prerequisite: Sociol C101 or 101.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/420, Staff, Sched No 761856, 3 Credits

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 020/2/214, Staff, Sched No 761901, 3 Credits

Sociol 444
Cooperative Education Field Experience in Sociology
A supervised field experience in sociology. Students are placed in practical work assignments in their field of study through the Cooperative Education Office (010/2/203, telephone 929-8495). Students will be expected to develop a learning contract in consultation with the faculty sponsor. Periodic meetings, selected readings, and a culminating written exercise are customarily required.

Sociol 466
Research Studies in the Sociology of Alcoholism
An in-depth analysis of sociological factors related to drinking behavior, alcoholism, and treatment and prevention programs. Special emphasis placed on theory, research studies and methodological problems in studying alcoholic populations. Attention also given to special topics—alcohol and crime, traffic safety, family crises, industry and skid row.
Prerequisites: Sociol C101 or 101, senior standing, and permission of instructor.

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 517, Staff, Sched No 762355, 3 Credits

Spanish

Span C101
Elementary Spanish I
For students with no creditable training in Spanish. An intensive study of the four language skills based on an audio-lingual approach.
Core Area: Foreign Languages.

Lect: May 29–Jul 11, MTuWTh 8:15–10:10am, HC 010/1/60, Staff, Sched No 763010, 4 Credits
Lab: MTuW 10:30–11:15am, Lab Fee: $4.00, Sched No 763115

Lect: May 29–Jul 11, MTuWTh 9:55–11:50am, HC 020/2/428, Staff, Sched No 762955, 4 Credits
Lab: MTuW 12:00–12:45pm, Lab Fee: $4.00, Sched No 763054

Lect: May 29–Jul 11, MTuWTh 6:00–7:45pm, DC 608, Staff, Sched No 763004, 4 Credits
Lab: MTuW 8:00–8:45pm, Lab Fee: $4.00, Sched No 763109

Span C102
Elementary Spanish II
A continuation of Spanish C101. An intensive study of the four language skills based on an audio-lingual approach.
Prerequisite: Span C101 or equivalent.
Core Area: Foreign Languages.

Lect: Jul 16–Aug 23, MTuWTh 8:15–10:10am, HC 010/1/60, Staff, Sched No 763010, 4 Credits
Lab: MTuW 10:30–11:15am, Lab Fee: $4.00, Sched No 763461

Lect: Jul 16–Aug 23, MTuWTh 9:55–11:50am, HC 020/2/428, Staff, Sched No 763309, 4 Credits
Lab: MTuW 12:00–12:45pm, Lab Fee: $4.00, Sched No 763404

Lect: Jul 16–Aug 23, MTuWTh 6:00–7:55pm, DC 6/608, Staff, Sched No 763359, 4 Credits
Lab: MTuW 8:00–8:45pm, Lab Fee: $4.00, Sched No 763454

Span C201
Intermediate Spanish I
An oral review and further study of the language skills with readings in Spanish and Spanish-American literature and culture.
Prerequisite: Span C102 or equivalent.
Core Area: Foreign Languages.

May 29–Jul 11, MTuWTh 8:15–9:40am, HC 020/2/428, Staff, Sched No 763854, 3 Credits

Span C202
Intermediate Spanish II
A continuation of Spanish C201. An oral review with further study of the language skills and readings in Spanish and Spanish-American literature and culture.
Prerequisite: Span C201 or equivalent.
Core Area: Foreign Languages.

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 020/2/428, Staff, Sched No 764058, 3 Credits

Spanish Translation Program
The Program in Translation is designed for native speakers of both English and Spanish, and is meant to give them a career option by providing them with a skill ancillary to their basic education. The program consists of two intensive six-credit courses (Span 306 and 307), offered in consecutive six-week sessions. Students will concentrate on translating into their own language, but will also do some translation into the non-native language. Upon successful completion of the coursework, students will qualify as candidates for the Certificate in Translation. A departmental panel will grant certificates to students who pass the comprehensive examination in translation. Credits for completed coursework may be earned independently.

For information about prerequisites and qualifying examinations, call the Spanish Department at 929-7670.

Span 306
Introduction to the Techniques of Translation
Development of the basic techniques and skills needed for translation. Emphasis on translation into the native language with some practice in the opposite direction. Methods of contrasting linguistics to analyze pertinent aspects of language structure, involving syntax, vocabulary and style, are employed. Material for this course is taken from published translations of both a literary and non-literary nature. Students are given ample opportunity to apply these techniques through a series of translation assignments, which form the basis for class discussion.

May 29–Jul 11, MTuWTh 9:55am–1:00pm, HC 020/2/208, Staff, Sched No 764458, 6 Credits

Span 307
Advanced Translation
Practice in translating a variety of genres and styles, both literary and non-literary, e.g., passages from cultural material, short stories and essays; government documents; scientific, commercial and technical prose. Emphasis is on translating into the native language, but considerable practice is given in translating material in the commercial and human service fields from the native to the non-native language. Literary material is taken from various periods to make students aware of historical changes in vocabulary, syntax, tone and style.
Prerequisite: Span 306.

Jul 16–Aug 23, MTuWTh 9:55am–1:00pm, HC 020/2/208, Staff, Sched No 764658, 6 Credits

Span 315
Readings in Hispanic Literature
Selected readings in Hispanic literature.
Prerequisite: Span C202 or equivalent.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/1/616, Staff, Sched No 764858, 3 Credits

Theatre Arts

Thr Art 126
Speech and Oral Interpretation
Study of principles of speech and oral interpretation, emphasizing the analysis, preparation and oral presentation of literary materials.

May 29–Jul 11, TuTh 6:00–8:50pm, DC 621, Ms McGinley, Sched No 766256, 3 Credits

Thr Art 250
Introduction to Playwriting
Designed for students who are interested in the theatre, but not primarily in playwriting itself, to gain knowledge of considerations relating to the creation of a script and the reading of scripts. Recommended for all students interested in acting and directing.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/2/008, Mr Roberts, Sched No 766456, 3 Credits

Thr Art 351
Playwriting II
Writing for the theatre, with emphasis on the three-act form, including the construction of a scenario and completion of a draft of an original three-act play.
Prerequisite: Theatre Arts 251.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 020/2/008, Mr Roberts, Sched No 766656, 3 Credits

Thr Art 481A
Modern and Jazz Dance
An intensive class to develop a strong working basis from which the art of dance can be practiced with increasing confidence. Elements of style including rhythm, dynamics and clarity of projection in space will be experienced in dance phrases of varied complexity. Background readings provide a framework for learning in class and assigned projects develop a personal dance vocabulary.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/008, Ms Tolbert, Sched No 766856, 3 Credits

Theatre Arts Program on Nantucket

Thr Art 482A
Elementary Writing, Direction, and Design

Thr Art 482B
Elementary Writing, Direction, and Design II

Thr Art 482C
Advanced Writing, Direction, and Design

Thr Art 482D
Advanced Writing, Direction, and Design II

Please see description under "Special Programs" on page 15.

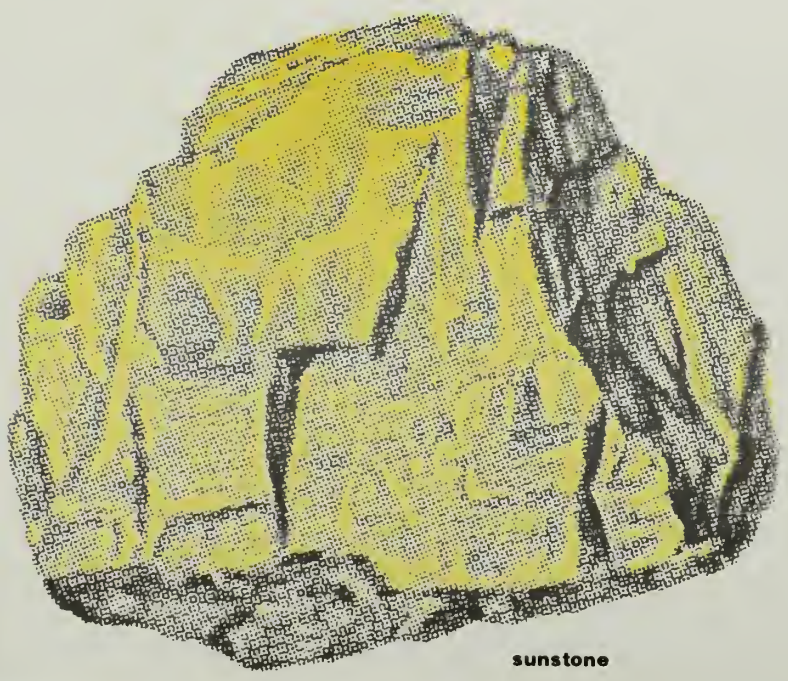
Women's Studies

Wo St C100
Women and Society
An introductory, interdisciplinary course recommended as a first course in women's studies. Through lectures, readings, and discussions, students will examine the origins of women's oppression; female and male sex roles; marriage and the family; women workers at home and in the labor force. Students will relate their course material to experiences in their own lives. Preference given to first and second year students.
Core Area: Social and Behavioral Sciences.

Jul 16–Aug 23, MTuWTh 9:55–11:20am, HC 020/2/207, Ms Morse, Sched No 768054, 3 Credits

Wo St 260
Women's Health Care, Past and Present
Focusing on a variety of topics, including nutrition, pregnancy, childbirth, and surgery, the course examines the attitudes toward and treatment of women advocated by the 19th and 20th century American medical profession. The influence of the contemporary women's health movement will also be considered.

May 29–Jul 11, MTuWTh 9:55–11:20am, HC 020/2/207, Ms Cordill, Sched No 768254, 3 Credits



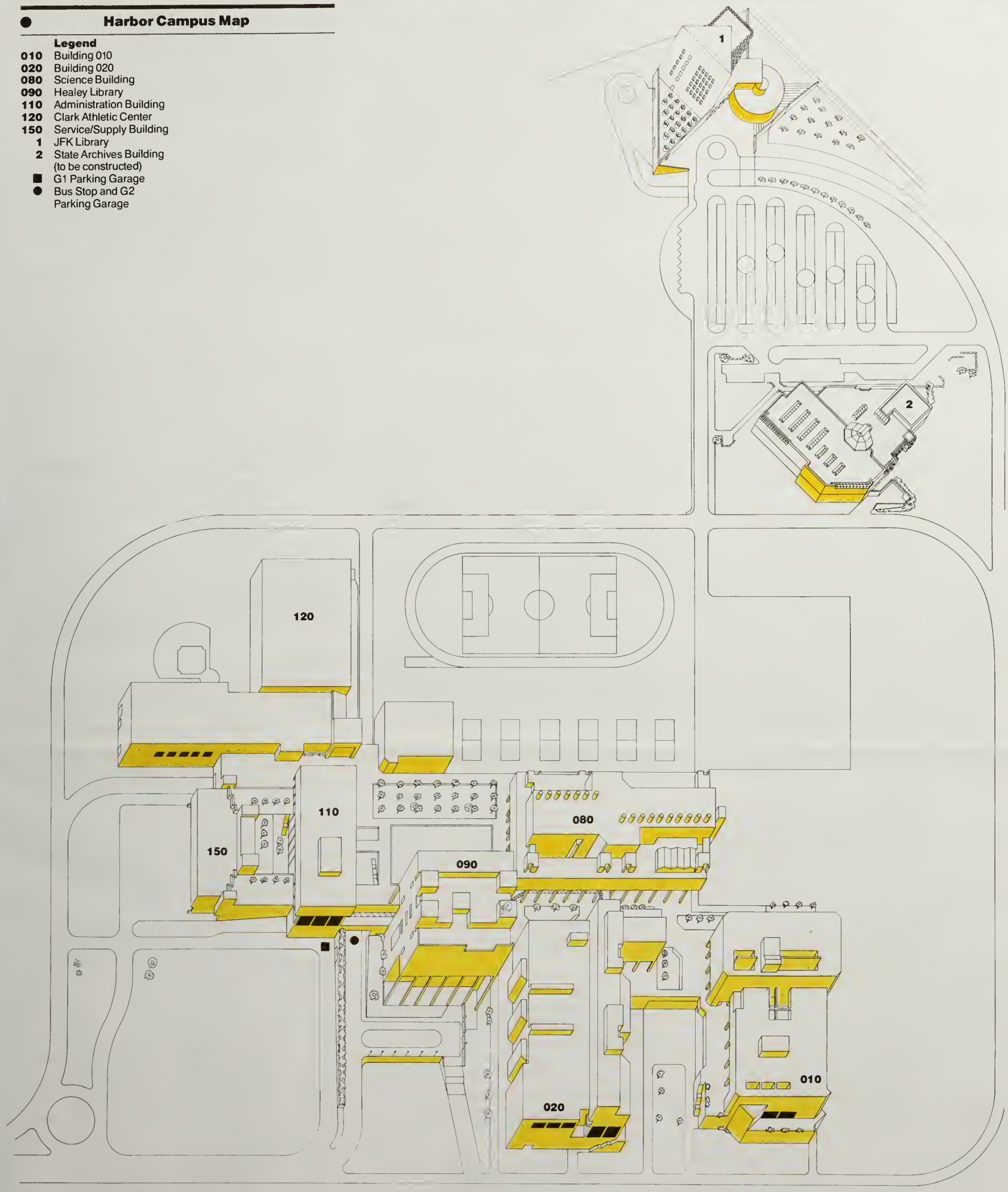
sunstone

See "Location Key" on page 2 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Harbor Campus Map

Legend

010 Building 010
020 Building 020
080 Science Building
090 Healey Library
110 Administration Building
120 Clark Athletic Center
150 Service/Supply Building
1 JFK Library
2 State Archives Building (to be constructed)
■ G1 Parking Garage
● Bus Stop and G2 Parking Garage



Harbor Campus

The Harbor Campus is only three miles from downtown Boston and is easily accessible by public or private transportation. *From the north or west:* Take the Southeast Expressway to exit 17. Turn left onto Columbia Road. Enter the rotary and take the first right (Morrissey Boulevard). Bear right of the traffic island, following the UMass/Boston sign. Proceed past the *Boston Globe* building. Turn left into the campus. *From the South:* Take the Southeast Expressway to exit 18 (near the Boston Gas tanks). Follow Morrissey Boulevard northward to the campus. *On the MBTA:* Take the Ashmont train on the Red Line to JFK/UMass (formerly Columbia) station. Transfer to the free University shuttlebus in the T parking lot.

Downtown Center

The Downtown Center is at the corner of Arlington and Stuart Streets in Park Square, Boston, within a short distance of the Green Line Arlington stop.

American Civilization

Am Civ 610
Citizenship Education Institute
A cooperative endeavor with the John F. Kennedy Library and the University of Massachusetts Institute for Learning and Teaching, this intensive two week summer institute focuses on social problems, political process and civic participation now and in the past. Particular attention is given to the United States in the 1960's. The Institute is designed to have special relevance for teachers and offers three graduate credits which may be applied toward the M.A. in American Civilization. For further information, please contact the American Civilization Department.
Note: The fee for this special 3-Credit course is $50.00.

Jun 28–Jul 13, By Arrgt, HC 020/3/031, Mr Bartlett, Sched No 703656, 3 Credits

Educational Administration

Adm 631
Computer Systems for School Administrators
This course provides a general introduction to computers and their applicability to school and school systems operation. Appropriate software will be demonstrated and students will have opportunities to gain practical experience in the operation of microcomputers.

Jul 2–Aug 1, MTuWTh 5:00–7:00pm, HC 020/1/420, Ms Garland, Sched No 700404, 3 Credits

Bilingual Education/ESL

BES 663
The Structure of the English Language
This course covers ways of describing the structure of English, from traditional methods used in many textbooks to alternative methods. Discussion of teaching methodologies and sociolinguistic considerations, and practice in applying these theories and techniques.

May 29–Jun 28, MTuWTh 5:00–7:00pm, HC 020/1/617, Staff, Sched No 708006, 3 Credits

BES 680
The Computer in the Bilingual/ESL Classroom
This course will cover various applications of the personal computer in the bilingual/ESL classroom and the development of a Conversational Statistical Package for analyzing problems of the limited English proficiency student.

Jul 2–Aug 1, MTuWTh 8:15–10:15am, HC 010/1/010, Staff, Sched No 708206, 3 Credits

Counselor Training

Coun 607
Theories of Personality
This course will acquaint the advanced student with the major psychological theories explaining the structure and dynamics of the human personality.

Jul 2–Aug 1, MTuWTh 7:15–9:15pm, HC 020/2/419, Staff, Sched No 715657, 3 Credits

Coun 608
Abnormal Psychology
Participants in this course will consider various definitions of abnormality, the major classifications of behavioral disorders, and the causes, assessment, and treatment of those disorders.
Note: For graduate students only.

May 29–Jun 28, MTuWTh 7:15–9:15pm, HC 020/2/419, Staff, Sched No 715857, 3 Credits

Coun 614
Counseling Theory and Practice I
This course provides grounding in the commonalities of counseling techniques and practice in utilizing various techniques. The course considers: the essentials of interviewing, note taking, and report writing, as well as the role of diagnosis, tapes, and role playing.

May 29–Jun 28, MTuWTh 5:00–7:00pm, HC 020/2/417, Staff, Sched No 716051, 3 Credits

Coun 615
Counseling Theory and Practice II
This course is an extension of Counseling Theory and Practice I. The course considers theoretical approaches (dynamic, humanistic, behavioral) and explores some non-traditional approaches. The course also considers the use of tape recordings, films, written records of interviews, and role playing.
Prerequisite: Coun 614.

Jul 2–Aug 1, MTuWTh 5:00–7:00pm, HC 020/2/417, Staff, Sched No 716251, 3 Credits

Coun 616
Group Counseling and Group Dynamics
This course introduces students to group dynamics, using the group process of the class group as a source of experience of group membership and as a source for data for interpretation. Each student must participate as a group member. Students will engage in exercises, complete readings, and attend lectures.
Prerequisite: Coun 614.

Jul 2–Aug 1, MTuWTh 7:15–9:15pm, HC 020/2/417, Staff, Sched No 716451, 3 Credits

Coun 670
Use and Abuse of Alcohol in Society
This course surveys the broader problems caused by the use and abuse of alcohol in modern society. It draws upon intra- and intercultural comparisons in emphasizing the magnitude of the alcohol addiction problem, and presents and analyzes normative data. Part of the course is given to a study of the physiological consequences of abusive drinking. The course will also consider poly-drug abuse, the family of the alcoholic, Alcoholics Anonymous, and the relationship of the criminal justice system to alcoholism rehabilitation. Participants will visit examples of the six kinds of agencies making up the community-based treatment system: the shelter, the detoxification unit, the halfway house, the in-patient center, the out-patient center, and the outreach program.

May 29–Jun 28, MTuWTh 7:15–9:15pm, HC 020/2/419, Staff, Sched No 716651, 3 Credits

Coun 698
Practicum in Counselor Training
Students are placed as apprentice counselors in schools or agencies under the direct supervision of professionals. Students meet weekly on campus in a three-hour seminar.
Prerequisites: Coun 605, 607, 608, 614, 615.

May 29–Jun 28, MTuWTh 5:00–7:00pm, HC 020/2/419, Staff, Sched No 716851, 6 Credits

Critical and Creative Thinking

CCT 611
Seminar in Critical Thinking
This seminar will explore two basic issues about critical thinking and education: (1) the transferability of critical thinking skills from one subject area to another (e.g., from science to history) and from the classroom to everyday experience; and (2) our ability to test for the development and improvement of critical thinking skills. Examination of different ways of introducing a focus on critical thinking into classroom settings (including some already existing programs) in exploring the former, and presently existing tests for critical thinking in the latter. Previous course work about critical thinking skill development is a prerequisite for this course. This course satisfies one of the requirements of the special collaborative UMass/Boston-UMass/Amherst doctoral program in Critical and Creative Thinking and Education.

Jul 2–Aug 1, MWTh 2:00–4:30pm, HC 020/1/201, Mr Swartz, Sched No 717255, 3 Credits

CCT 622
Seminar in Moral Education: Issues in Teaching for Social Responsibility
This course will explore in depth and detail issues involved in attempts to integrate a focus on developing students' social awareness and social responsibility into standard subject areas in middle and secondary school instruction. Examples drawn from curricula in history and social studies, in science, and in the teaching of literature will be examined critically. Major topics such as the nature of social responsibility, indoctrination vs. teacher neutrality, and the development of values through classroom teaching will be covered.

Jul 2–Aug 1, MWTh 10:00am–12:30pm, HC 010/1/051, Mr Swartz, Sched No 717455, 3 Credits

CCT 630
Criticism and Creativity in Literature and the Arts
Expression and evaluation, freedom and discipline, creative production and the critical response to it—how do these dualities relate to visual and verbal imagination as they are demonstrated in literature and the arts? Specific strategies for eliciting imaginative work in these areas will be demonstrated, as will specific strategies for evaluating imaginative works. Finally, this course will focus on ways to help others (including children) develop critical and creative skills and on ways to effective use strategies for eliciting and evaluating imaginative work.

Jul 2–Aug 1, TuTh 3:00–7:00pm, HC 020/2/207, Ms Gallo, Sched No 717655, 3 Credits

Psych 650
Cognitive Processes
An exploration of our cognitive ability from an information processing viewpoint. How do we perceive, incode, organize, store, and retrieve information? The development of our cognitive abilities and implications to learning and problem solving will be emphasized.

Jul 2–Aug 1, TuTh 10:00am–2:00pm, HC 010/2/056, Mr Schwartz, Sched No 757302, 3 Credits

Education (Elementary and Secondary)

Educ 610A
Introduction to Computer Literacy for Elementary School Educators
This course will provide participants with an introduction to the computer, courseware selection and evaluation, and classroom management techniques. The major objective of the course will be to provide an overview of the philosophical and pedagogical bases of Logo. An emphasis will be placed on using the microcomputer in the elementary school classroom.

Jul 16–Aug 23, MTuWTh 8:15–9:40am, HC 010/1/056, Staff, Sched No 722008, 3 Credits

Educ 610B
Introduction to Computer Literacy for High School Educators
This course will provide participants with an introduction to the computer, courseware selection and evaluation, and classroom management techniques. This course will cover commands, statements, and functions necessary to write BASIC instructional programs as well as an introduction to Logo. An emphasis will be placed on using the computer in the high school classroom.

Jul 16–Aug 23, MTuWTh 11:35am–1:00pm, HC 010/1/062, Staff, Sched No 722208, 3 Credits

Educ 641
Contemporary Issues in Education
Against the backdrop of the American sociocultural context, a selected array of the critical issues that confront our contemporary educational institutions are examined with regard to their nature, etiology, prevalence, and significance.

May 29–Jun 28, MTuWTh 5:00–7:00pm, HC 020/1/420, Mr McCarthy, Sched No 722408, 3 Credits

School Psychology

Sch Psy 603
Individual Intelligence Testing
This course deals with the administration, scoring and interpretation of two individual intelligence tests (Wechsler Scales and Stanford Binet), with emphasis on a psycho-educational model of interpretation. The place of these instruments in a total evaluation of the individual will be considered. Ethical considerations and the dangers of misuse will be discussed. Students will have the opportunity in class to share ideas about administrative experiences, protocol, and interpretation.

May 29–Jun 28, MTuWTh 5:00–7:00pm, HC 020/2/208, Staff, Sched No 765852, 3 Credits

Applied Sociology

Soc 653
Computer Applications in Social Analysis
This is a course in the analysis of social data with computers. Training in the use of computers is integrated with the study of logic of social data analysis. Fundamental computer concepts are presented. Procedures for data entry and file management are reviewed. Data analysis techniques studied include multiple regression analysis, elaboration of relationships with cross tabulation, statistics for assessing, measurement reliability, and for drawing inference from samples. Throughout the course, students analyze social survey data sets to gain experience with these techniques and the decision making involved in their applications.

May 29–Jul 11, By Arrgt, HC 020/2/417, Mr Schutt, Sched No 762555, 3 Credits

Soc 698
Field Work and Graduate Seminar in Corrections
Intensive field work and/or internship in correctional or related research setting jointly supervised by faculty and agency-based staff. Placements made according to student interest and internship availability. Course seminars address issues and problems in field work and agency research, applications of sociological theory and research in corrections, professional ethics in agency work, and operation of correctional-related social services. This course provides the context for preparation of a Master's paper required for the M.A. degree in Applied Sociology.
Prerequisites: Graduate standing and instructor's permission.

Special Education

Spec Ed 697
Special Topics: Public Law 94-142
An advanced course offering intensive study of selected topics in special needs education. Course content will vary according to the topic and will be announced by the department prior to registration.

Jul 2–Aug 1, MTuWTh 5:00–7:00pm, HC 020/2/208, Staff, Sched No 765252, 3 Credits

Spec Ed 698A
Moderate Special Needs Practicum
A supervised practicum experience, with seminar component, for trainees working with children who have been placed in 502.2, 502.3, or 502.4 program prototypes. Preregistration with program director required one semester prior to enrollment.
Prerequisites: Spec Ed 607, Spec Ed 624, Spec Ed 626, and either Spec Ed 625 or Spec Ed 631.

Jul 2–Aug 1, MTuWTh 5:00–7:00pm, HC 020/2/419, Staff, Sched No 765452, 6 Credits

See "Location Key" on page 2 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Registration for Non-credit Offerings

To register for courses offered through the following non-credit programs, please use the form below.

Adolescent Counseling Workshop
Boston Sports Medicine Institute (non-credit option)
Emergency Service Training
Graduate Test Preparation
Software Specialist Institute
Using the Small Claims Court

To register for credit for the Boston Sports Medicine Institute, use the form on the back page of this bulletin.

Social Security Number

Name

Street Address

City, State, Zip

Home Telephone Business Telephone

Title of Course Schedule Number Course Fee

Title of Course Schedule Number Course Fee

Title of Course Schedule Number Course Fee

Course Fee(s) Total $

Registration/Late/Miscellaneous Fee(s) (when applicable) $

Total Payment Enclosed $

Please make your check payable to University of Massachusetts at Boston—Continuing Education. Detach this form and mail check and form to:

Division of Continuing Education—Attn: Janice Kinahan
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125

To register using MasterCard, VISA, or company/agency purchase order, please call (617) 929-7900 between 9:00 am and 5:00 pm.

Archaeology on Long Island

Anth 485
Field Seminar in Archaeology

This course will teach the basic skills of archaeological survey, excavation, and laboratory analysis through field work on Long Island in Boston Harbor. Long Island is the last of the large Harbor Islands still unstudied by archaeologists and the field school will focus on locating and mapping prehistoric sites on two large sections of the island. We will also be testing a number of hypotheses about prehistoric use of the Boston Harbor Islands generated from previous work on the islands. Students will thus learn a variety of field and laboratory skills including site survey techniques, site mapping, excavation, recording, and laboratory processing of materials. They will also study the ways in which theory and models in archaeology are applied in a specific field situation. For more information call Dr. Luedtke at 929-8150, or write to the Department of Anthropology. Limit: 12 students. Application deadline: April 15, 1984.
Prerequisite: Permission of Instructor.

Jun 6–Jul 20, By Arrgt, Field Station. Long Island, Ms Luedtke, Sched No 705359, Lab Fee: $20.00, 6 Credits

History on Nantucket

Am Civ C202
The Twenties

We will study the impact of World War I and the post-war social, economic, and political environment on selected issues of American life in the 1920's: the rise of social and political intolerance; the businessman as hero and anti-hero; the "lost" generation; the "New Woman" and the "New Negro."
Core Area: Historical and Cultural Studies.

Aug 1–Aug 24, By Arrgt, Ms Beegal, Sched No 702852, 3 Credits

Am Civ 501
History and Culture of Nantucket Island

An introductory, interdisciplinary seminar surveying the social, political, cultural and commercial history of Nantucket Island, from its earliest settlements to the present day. Note: Taking this course does not entitle the student to a place in University-sponsored housing.

Jul 2–Jul 26, By Arrgt, Mr Stackpole, Sched No 703456, 3 Credits

Marine Biology on Nantucket Island

Every summer the Biology Department of UMass/Boston offers a small program of courses at the University's Field Station in Quaise. Students admitted to these courses will be housed at the Field Station, a facility located on 114 acres of moor and private beach about three miles from the town of Nantucket. Students interested in these courses should contact Dr. John Ebersole in the Biology Deparment, telephone (617) 929-8400. Application deadline: April 27, 1984.

Biol 200N
Field Biology on Nantucket—Marsh Ecology

Investigations into the natural history and ecosystem dynamics of salt marshes with special attention to the evolution, ecology, systematics, and adaptations of marsh organisms. Field exercises will be emphasized.
Prerequisites: One year of college biology and permission of instructor.

Jun 11–Jul 13, By Arrgt, Nantucket Field Station, Mr Ebersole and Mr Clarke, Sched No 710057, 5 Credits

Biol 346N
Marine Ecology

Supervised research into the adaptations and interactions of marine organisms of the beaches, salt marshes, sand dunes, and embayments of Nantucket.
Prerequisites: Genetics, physiology, college algebra and permission of instructor.

Jul 16–Aug 17, By Arrgt, Nantucket Field Station, Mr Ebersole, Sched No 711451, 5 Credits

Theatre Arts on Nantucket

A two-month program incorporating three essential areas of theatre from the inception of a plot or story line as it is developed through conceptual analysis of space, color, texture, language and movement.

The first month will be devoted to an understanding of the mutual relation and interdependence of the art and craft writer, director and designer. The advanced course in the second month will focus on the creation of individualized student projects based on the integration of these three essential functions of theatre.

Thr Art 482A
Elements of Writing, Directing, and Design for Theatre I

Jul 2–Jul 26, MTuWThF 10:00am–12:00 noon, Nantucket, Mr Francis, Sched No 767050, 3 Credits

Thr Art 482B
Elements of Writing, Directing, and Design for Theatre II

Jul 2–Jul 26, MTuWThF 12:00 noon–2:00pm, Nantucket, Mr Roberts, Sched No 767250, 3 Credits

Thr Art 482C
Advanced Writing, Directing, and Design for Theatre I

Aug 1–Aug 24, MTuWThF 10:00am–12:00 noon, Nantucket, Mr Francis, Sched No 767450, 3 Credits

Thr Art 482D
Advanced Writing, Directing, and Design for Theatre II

Aug 1–Aug 24, MTuWThF 12:00 noon–2:00pm, Nantucket, Mr Roberts, Sched No 767650, 3 Credits

Students will receive a total of twelve credits upon completion of this Nantucket Theatre Arts Program. The special fee for this twelve credit program is $650.00.

Housing at the UMass/Boston residence facilities at Gouin Village on Nantucket is available for students in the Theatre Arts summer program for an additional fee of $275.00.

Enrollment is limited. For information regarding admission to the program, contact Professor Louis E. Roberts at (617) 929-7720.

Italian Language and Culture: A Study Holiday

Ital 298, 299
Tutorial I & II

The Italian Department at UMass/Boston in conjunction with the International Council for Cultural Exchange (ICCE) and the University of Pisa is offering a special program in Italian language and culture this summer. The program will be held at the Collegio Colombo in Viareggio, a typical Italian summer resort with easy access to Florence, Pisa, Siena, Genova, and other urban centers. The course of study will emphasize practical Italian conversation, modern culture, and a series of lectures followed by field trips to the cultural riches of central Italy. Classes will be held at the Collegio, which is a residential conference center featuring dining rooms, an auditorium, a gym, and lounges as well as sleeping accommodations. It is minutes from either the beach or the center of town. The cost of the basic program is $1750 (payable to ICCE) which includes round-trip air fare between the USA and Italy, guided travel within Italy, sightseeing, instruction, and room and board. Students will have the opportunity to earn four credits from UMass/Boston. (Additional course and registration fee: $200.00.) The program is open to anyone seventeen or older. For more information and a tentative itinerary, contact either Professor Fiora Bassanese or Professor Antonio Carrara at the Italian Department, telephone 929-7650.

Jun 10–Jun 30, By Arrgt, Collegio Colombo, Ms Bassanese, Sched No 733855, 4 Credits

Center for Occupational Education

The Center for Occupational Education provides high quality instruction to those seeking state approval as vocational instructors and/or vocational instructors of students with special needs. The Center operates under the auspices of the Division of Occupational Education of the Massachusetts Department of Education and holds full approval from that agency. The Center also sponsors industrial arts courses for professional industrial arts teachers as well as regular classroom teachers, special educators, and vocational teachers seeking additional certification as industrial arts teachers.

Courses offered for credit are listed in the schedule under "Occupational Education."

The Center invites occupational educators and representatives of school systems, industry, and labor to suggest additional activities it might sponsor. Further information about the Center is available from:

Center for Occupational Education
Division of Continuing Education
University of Massachusetts at Boston
Downtown Center
Boston, MA 02125
(617) 956-1001

Summer Co-op Internship Program

UMass/Boston students with thirty degree credits can earn three credits for paid or unpaid internship or Co-op work experiences during the summer. Those interested in further information should call or visit the Co-op/Internship Office for an appointment. Building I, 2nd Floor, Room 203. Telephone 929-8495.

Boston Sports Medicine Institute

Phys Ed 530
Sports Medicine/Athletic Training Seminar

A five-day seminar in sports medicine for coaches. athletic trainers, teachers of physical education, and professionals and students in allied health fields. This course provides an introduction to basic anatomy, the nature and prevention of sports injuries, and procedures currently used in the care and treatment of those injuries.

Each participant will be awarded a certificate of achievement upon completion of the seminar and will have the opportunity to earn three undergraduate academic credits (additional readings, examination, and term paper required). Two Continuing Education Units for the seminar have been approved by the National Athletic Trainers Association.

Jun 18–Jun 22, MTuWTh 9:00am–4:30pm, HC 020/1/409, Mr Roncarati

Non-credit option: Sched No 77400-61. Course Fee: $215.00

Credit option: Sched No 747254. Course Fee: $357.50

Criminal Justice Courses through the College of Public and Community Service

UMass/Boston's College of Public and Community Service (CPCS) operates according to a competency-based curriculum. Students demonstrate specific competencies which are part of the CPCS curriculum. These competencies are evaluated by the faculty according to clearly specified criteria to which both students and faculty are responsible. Students receive narrative evaluations rather than grades. Credit is given not for completing a course, but rather for demonstrating the competency that the course helps the student to achieve. Each competency has a specific credit equivalency which can be transferred on a pass/fail basis for *elective* credit to the other colleges of UMass/Boston. Non-UMass/Boston students wishing to transfer credit equivalencies from CPCS are advised to obtain approval from their own institutions prior to enrollment.

For purposes of computing summer session course fees, each CPCS course is listed with a specific number of credit equivalencies. This is done to meet the instructional costs of offering the courses. The actual credit equivalences that students receive will be based on competencies, not credits.

Cri Jus 101
Public Budgeting and Financial Performance Management

Local, state, and federal government fiscal policy, procedures and techniques are reviewed. Budget cycles, regulations, and decision-making processes are analyzed for their impact on public program planning and control.

May 29–Jun 28, MTuWTh 11:35am–1:35pm, HC 010/1/060, Staff, Sched No 718459, 3 Credit Equivalencies

Cri Jus 103
Collective Bargaining and the Law

Collective bargaining law and procedures and the nature of the union-management relationship in both private and public sectors of the economy are reviewed.

May 29–Jun 28, TuTh 6:00–8:40pm, DC 521 and W 6:00–8:40pm, DC 610, Staff, Sched No 718659, 3 Credit Equivalencies.

Jul 16–Aug 23, MW 6:00–8:50pm, DC 619, Staff, Sched No 718704, 3 Credit Equivalencies.

Cri Jus 104
Criminal Justice Systems

This course is designed to acquaint the student with an historical, social, and philosophical background to law enforcement in the United States, the various agencies established to regulate criminal and non-criminal activities of the citizens, and recent trends.

May 29–Jul 11, MW 6:00–8:40pm, DC 619, Staff, Sched No 718904, 3 Credit Equivalencies.

Jul 16–Aug 23, TuTh 6:00–8:50pm, DC 621, Staff, Sched No 718954, 3 Credit Equivalencies.

Cri Jus 108
Criminal Evidence and Procedure

A study of the rules of evidence and related procedures involved in the prosecution of criminal cases in court. Topics will include recent constitutional decisions, methods of proof, evidence, search and seizure, confessions, admissions, self-incrimination, and presumptions.

Jul 2–Aug 1, MTuWTh 11:35am–1:35pm, HC 010/1/060, Staff, Sched No 719158, 3 Credit Equivalencies.

Using the Small Claims Court

Bad Debts Hurt!
Get Inexpensive Justice

Here's a way to collect on bad debts, without a lawyer, and save money. Whether you're a businessman, a property owner, a tenant, or a consumer, you are bound to encounter injustices. Overdue accounts, bad checks, faulty merchandise, minor accident claims, and landlord-tenant disputes are all part of life. "Inexpensive Justice" is a practical half-day teleconference workshop for non-lawyers. The non-credit workshop will familiarize you with the small claims court system, through which citizens may sue in civil cases without employing a lawyer. All relevant aspects of conducting your own claims case will be presented in a non-technical manner. The workshop will include a color videotape showing of a small claims case from start to finish. You'll also receive a booklet with step-by-step instructions.

Jun 5, Tu 12:00 noon–5:00pm, HC TBA, Sched No 70100-61, Course Fee: $80.00

Crisis Intervention Workshop

The Self-Destructive Person:
Crisis Intervention and Follow-up

This one-day workshop focuses on the attitudes, concepts, and skills necessary to understand and help the person who is in suicidal crisis or is chronically self-destructive. It emphasizes the application of these attitudes, concepts and skills to situations commonly experienced by those dealing with self-destructive persons. This non-credit workshop is for nurses, mental health workers, social workers, and other interested health professionals.

For further information please call 956-1000.

Adolescent Counseling Workshop

Treatment of the Multiproblem and Severely Disturbed Adolescent within the Community

This two-day workshop, emphasizing the use of case methods, is designed for the practitioner or child advocate who wants to become more effective in treating adolescents who are seen as outpatients or as candidates for residence in treatment facilities. Persons who would find this workshop valuable include such professionals as social workers, educators, members of the clergy psychologists, nurses, psychiatrists, and counselors.

For further information please call 956-1000.

May 17–May 18, ThF 9:00am–4:30pm, HC 020/3/129, Mr Sarmanian, Sched No 70001-51, 1.2 CEUs, Course Fee: $125.00

Emergency Service Training

The emergency medical service system is made up of three components: 1) "first responders," who are able to start emergency care immediately when time is important for the survival of victims of serious accidents or sudden illnesses, and to provide aid that will prevent further injuries and may even save lives; 2) emergency medical technicians, who provide advanced emergency medical care, stabilize the condition of victims, and prepare victims for transportation; and 3) hospital emergency departments, which provide the final stage of emergency care and treat victims as they begin to recuperate. Both the American Red Cross and the American Heart Association believe that there should be one first responder in every household and every office. Working toward this goal, the Office of Emergency Service Training offers reasonably priced training to the general public in the various elements of "first response." The Office also conducts more advanced courses for persons who wish to become emergency medical technicians and for practicing EMTs who wish to upgrade their skills.

First Responder Training Program

Jun 18–Jul 25, MW 6:00–9:30pm, Sched No 37110-61
Course Fee: $20.00

CPR: Basic Cardiac Life Support and Emergency Cardiac Care

Jun 19–28, TuTh 6:30–9:30pm, Sched No 37150-61
Jul 30–Aug 8, MW 6:30–9:30pm, Sched No 37150-62
Course Fee: $7.00

Defensive Driving

Jun 5–7, TuTh 6:00–10:00pm, Sched No 37140-61
Aug 13–15, MW 6:00–10:00pm, Sched No 37140-62
Course Fee: $20.00

Advanced First Aid

Jul 10–Aug 23, TuTh 3:30–6:30pm, Sched No 37334-61
Course Fee: $55.00

Advanced Lifesaving

May 21–Jun 18, MW 6:00–10:00pm, Sched No 37444-52
Course Fee: $30.00

Emergency Medical Technician

Jun 4–Aug 20, MTuTh 6:00–9:30pm, Sched No 37210-61
Course Fee: $300.00

Emergency Medical Technician—Ambulance Refresher Course

Jun 11–27, MW 6:00–10:00pm, Sched No 37230-61
Aug 7–23, TuTh 6:00–10:00pm, Sched No 37230-62
Course Fee: $50.00

Water Rescue

Jun 16–17, SaSu 8:00am–4:00pm, Sched No 37320-61
Jul 14–15, SaSu 8:00am–4:00pm, Sched No 37320-62
Course Fee: $45.00

Basic Cardiac Life Support During Transportation

Jul 24–26, TuTh 6:00–9:30pm and Jul 28, Sa 8:00am–4:30pm, Sched No 37340-61
Course Fee: $40.00

Emergency Vehicle Operation

Jun 12–28, TuTh 6:30–9:30pm and Jul 23, Sa 8:00am–4:30pm, Sched No 37310-61
Course Fee: $165.00

Graduate Test Preparation Courses

Developed in conjunction with the Office of Career Services, these review courses provide intensive classroom sessions covering all sections of each exam. Each course provides extensive exam practice including a full-length practice test given under exam conditions. The courses have been scheduled in advance of the dates of tests for which students are preparing.

Review for the Medical College Admission Test (MCAT)

Jul 23–Aug 17, MTuW 6:30–9:30pm, Sched No 10003-53
Course Fee: $150.00

Review for the Graduate Management Admission Test (GMAT)

May 15–Jun 7, TuWTh 6:00–9:00pm, Sched No 10002-53
Aug 6–30, 6:00–9:00pm, Sched No 10002-54
Course Fee: $125.00

Review for the Law School Admission Test (LSAT)

May 21–Jun 13, MTuW 6:00–9:15pm, Sched No 10001-53
Course Fee: $125.00

The registration and refund request deadline for each course is one week prior to the starting date of that course.

For further information about these review courses or about the dates of the actual examinations, please call 929-7900.

Software Specialist Institute

The Software Specialist Institute has been established to provide online/interactive workshop courses for continuing professional education in the field of information technology.

These "hands-on" workshop courses will cover the primary systems areas including operating, application development, database management, data communication, and interactive programming.

The Instititue has established its online/interactive format in direct response to the increased software sophistication of the commercial marketplace and its need for persons trained in specific software environments.

The courses listed below are intended to serve data processors whose primary responsibility is to design, develop, and manage computerized systems, or users who are involved with developing, monitoring, and managing data processing systems.

This semester the Institute will offer courses in two categories:

- short courses and seminars scheduled during the day and dealing with online database/data communication, programming, information technology, and PC/micro application; and
- semester-long advanced evening courses providing intensive study of two or more systems areas and designed to enhance the professional career possibilities of data processors with one or more years' experience.

Students in these courses use a Terminal Resource Center equipped with state-of-the-art hardware/software systems. They supplement classroom instruction by using a Library Resource Center featuring the latest in interactive and video education.

CICS Command Level Coding

Jun 4–8, MTuWThF 9:00am–4:30pm, Sched No 60101-61, 3.2 CEUs, Course Fee: $790.00

CMS for Application Programmers

Jun 4–7, MTuWTh 9:00am–4:30pm, Sched No 60107-61, 2.6 CEUs, Course Fee: $650.00

DOS/VSE JCL and Utilities Interactive Workshop

Jun 11–14, MTuWTh 9:00am–4:30pm, Sched No 60108-61, 2.6 CEUs, Course Fee: $700.00

VSAM for Cobol Programmers

Jun 6–8, WThF 9:00am–4:30pm, Sched No 60110-61, 2.0 CEUs, Course Fee: $650.00

DLI Batch Cobol Programming

Jun 11–Jul 18, MW 6:30–10:00pm, Sched No 60204-61, 4.2 CEUs, Course Fee: $670.00

IDMS Batch Cobol Programming

Jun 12–Jul 19, TuTh 6:30–10:00pm, Sched No 60205-61, 4.2 CEUs, Course Fee: $670.00

Ramis II Batch Programming

Jun 12–Jul 19, TuTh 6:30–10:00pm, Sched No 60206-61, 4.2 CEUs, Course Fee: $670.00

Model 204 Programming

Jun 11–Jul 18, MW 6:30–10:00pm, Sched No 60207-61, 4.2 CEUs, Course Fee: $670.00

The Institute welcomes requests for further information concerning its programs, as well as suggestions for new course offerings, research topics, and additional programs. The Institute is also able to provide "in-house" staff assistance and can tailor its programs to address companies' specific needs. Please contact:

The Director
Software Specialist Institute
University of Massachusetts at Boston
Downtown Center
Boston, MA 02125
(617) 956-1144

Free Summer Activities for Students

All summer school students paying service fees may participate in the following activities.

Harbor Art Gallery

This student-run gallery exhibits professional and student work. It is located on the first floor of Building Two.

Film Series

Popular contemporary and classic films are featured weekly. Pick up the schedule in the Student Activities Office (Building One, 4th Floor, Room 181) or look for the announcement in each week's *Mass Media*.

Lecture Series

Topical and controversial lectures are featured throughout the summer. Pick up the schedule in the Student Activities Office (Building One, 4th Floor, Room 181) or watch for announcements in the *Mass Media*.

Athletics

The new Catherine Forbes Clark Athletic and Recreation Center houses the following facilities:

Competition Ice Rink
Swimming Pool
Gymnasiums
Gymnastics Area
Combative and Creative Area

The Clark Center is open 10:00 am to 7:00 pm, Monday through Friday,and 1:00 to 5:00pm on Saturday and Sunday.

There are courts for handball, racquetball and squash on the first floor of Building Two and racquetball courts on the third floor of Building One. Interested students may sign up at each location.

An athletic field, eight tennis courts and a softball field, are available for student use. Organized activities are listed in a schedule available at the Athletic Office on the first floor of the Clark Center.

A current valid UMass/Boston ID is required for entrance to all University athletic facilities.

Swimming Program

Swimming instruction will be offered this summer according to the guidelines of the American Red Cross "Learn to Swim" program. Pick up a schedule in the Pool Office at the Clark Center.

Sailing Program

Sailing instruction is offered from June 1st through August 1st, Monday through Friday (weather and tide conditions permitting). Interested students must take a basic swimming test before registering for instruction. Appropriate certification is awarded according to the level of proficiency achieved.

Fifteen Mercury sailboats, five Lasers and eight rowing dories are available at the sailing dock, which is located adjacent to the pumphouse near the Healey Library.

Discount Tickets

Tickets for sporting and cultural events are available at reduced prices through the Student Activities Office (Building One, 4th Floor, Room 181).

Mass Media

The student-run newspaper is published each Tuesday and is available at various locations on all campuses.

WUMB

UMass/Boston's radio station operates at 91.9 on the FM dial and features a varied format of music and public affairs programming. A carrier frequency brings WUMB's AM signal to several locations on campus, including all cafeterias.

Concerts

Indoor and outdoor concerts are offered by the Student Activities Office. For a full schedule, visit the office in Building One, 4th Floor, Room 181.

The Pub

Beer, wine, and snacks are served in a congenial atmosphere. The Pub is located in Building One, 3rd floor, and is open from noon to 4:00pm, Monday through Friday.

Wavelength

The summer edition of this quarterly student magazine will be available at many locations on all campuses.

Social Events

The Student Activities Office plans celebrations, festivals, and parties. For complete information, visit the office in Building One, 4th Floor, Room 181, or watch for announcements in the *Mass Media*.

Admissions Seminars

For adults considering returning to college, the Admissions Office offers a seminar at the Downtown Center every Tuesday. For details, call 929-8000.

● Career Planning, Resume Writing, and Interviewing Techniques Workshops

The Office of Career Services is offering the following free workshops designed to equip students with the skills necessary for beginning a successful career. Each workshop is offered once during Summer Session I and once during Summer Session II.

Career Planning
June 25, 1:00pm–2:30 pm *or* August 6, 1:00pm–2:30pm

Resume Writing
June 26, 1:00pm–2:30pm *or* August 7, 1:00pm–2:30pm

Interviewing Techniques
June 27, 1:00pm–2:30pm *or* August 7, 1:00pm–2:30pm

For further information, call the Office of Career Services at 929-7125.

● College Preparation Seminar for Returning Students

The Admissions Office conducts a seminar titled "How to Go to College If You're Not a Kid" for adults. The seminars are held every Tuesday at 12:30pm (Downtown Center, Room 419) and at 6:00pm (Harbor Campus, Admissions Office). For more information, call 929-8000.

● Health Promotion Programs

These are designed to support the clinical efforts of the Health Service Office and to promote responsible health consciousness throughout the University community. The following workshops, drop-in information/referral services and special events are planned for the summer:

Diet and Weight Management
Daily Weigh-In
Smoker's Liberation Group
Smoker's Liberation Drop-In/Self-Help
Alcohol Resource Information

For more information please contact the Health Promotion Program at the Harbor Campus, 020/1/613, M–F, 9:00am–4:30pm, 929-7880.

The Returning Students Program will offer a Support Group which will provide women and men who are planning to return to university life with a practical opportunity to evaluate strengths and weaknesses and to learn skills important to academic success.

Tuesdays from 11:30am–1:00pm, May 29–July 10

Wednesdays from 5:00pm–6:30pm, May 30–July 11

sunflower seeds

Continuing Education Office

Harbor Campus
Bldg. One, 2nd Fl., Rm. 203, 929-7900, M–F, 9am–5pm

Downtown Center
1st Fl., Rm. 114, 956-1000, M–F, 9am–5pm

The Division of Continuing Education is responsible for the planning and supervision of the summer school program. Although actual registration takes place at the Office of Registration and Records, the Continuing Education Office is set up to distribute information and resolve problems.

Office of Registration and Records

Harbor Campus
Administration Bldg., 1st Fl., 929-7200
M–Th, 8:30am–6:30pm; F, 9am–4pm

Office of Student Financial Management

Harbor Campus
Administration Bldg., 1st Fl., 929-7210
M–Th, 8:30am–7pm; F, 8:30am–5pm

The Student Financial Management Office provides assistance in the processing of grants, scholarships, loans, and work-study awards. It is also responsible for the coordination of all student employment on campus.

Only UMass/Boston students are eligible to apply for financial aid for the summer session. These students should call or visit the student Financial Management Office in April for further details. All other students should explore aid possibilities with the financial aid offices at their own institutions.

Educational benefits offered through the Veterans' Administration may be used during the summer session. Veterans who are eligible for these benefits must contact the Office of Veterans' Affairs.

Academic Advising and Tutorial Services

College of Arts and Sciences
Office of Academic Support and Advising
Bldg. Two, 3rd Fl., Rm. 625, 929-8220, M–F, 9am–5pm, evening hours by arrangement.

College of Management
Student Services and Advising Office
Bldg. Two, 3rd Fl., Rm. 425, 929-8105, M–F, 9am–5pm, evening hours by arrangement.

Disabled Student Center

Bldg. One, 1st Fl., Rm. 401, 929-8240, M–F, 9am–5pm, other hours by arrangement.

The Resource and Counseling Center for Disabled Students provides a full range of counseling services to students as well as equipment to meet the needs of any student who requests its services (e.g., Braille library, low-vision center and wheelchairs). All disabled students are welcome to enjoy the facilities and services offered at this center.

Child Care Center

Harbor Campus
Science Bldg., 1st Fl., Rm. 012, 929-7290
M–F, 8am–5pm

Downtown Center
2nd Fl., Rm. 028, 956-1037
M–F, 8am–5pm

Child care is available to summer students at UMass/Boston. The child care program is operated by trained personnel and charges run on a subsidized fee scale. Children between the ages of 18 months and 7 years are eligible.

Bookstore

Harbor Campus
Administration Bldg., G2 Level, 929-7250

Library Collections

The University Library holds a book collection numbering more than 400,000 volumes and currently subscribes to more than 3,700 domestic and foreign journals and newspapers. The main library, the Joseph P. Healey Library, is centrally located on the Harbor Campus plaza, easily accessible from the catwalk that connects all buildings on campus. It has extensive bibliography and reference holdings, a growing collection of government documents, and an art and music library that includes a Special Collections Room and listening carrels for the audio collection. In the Downtown Center there is a small library specifically designed for the students and faculty of CPCS. Its holdings are concentrated in the areas of psychology, sociology, law, and political science. The collections of both libraries are listed in the Public Catalog of the Healey Library, which holds a record of every book, journal, government document, and audio tape held by the University Library. All of these materials are available for use by students and faculty of the summer program. Temporary collections are available during the summer in the Downtown Center.

Cafeterias

Harbor Campus
Administration Bldg., G2 Level,
Bldg. 020, 3rd Floor

Downtown Center
1st Floor

Veterans' Affairs Office

Harbor Campus
Administration Bldg., 1st Fl., Rm. 117, 929-7135
M–F, 9am–5pm

The Veterans' Affairs Office assists all veterans in obtaining their educational benefits and helps them to resolve related problems.

Parking

Parking is available at the Harbor Campus in two underground garages. Operators of all vehicles, except motorcycles, must pay $1.75 per day to park in a garage (motorcycles: $1.00 per day) Discount tickets authorizing ten days' parking are also available at the parking booths for $12.50 apiece.

Public Transportation

Free and frequent shuttle bus service is provided between the Harbor Campus and JFK/UMass (formerly Columbia) Station on the MBTA Red Line. Buses following MBTA Route 16B stop at the Harbor Campus. The Downtown Center is within a short distance of the Arlington stop on the Green Line. A free shuttle service connects both campuses.

Health Services

Medical Services

Main Facility (General Information)
(617) 929-7111, Harbor Campus, 110/2/040
Summer Session: M–Th, 9:00am–6:30pm, F, 9:00am–4:30pm

Park Square Clinic
(617) 956-1017, Downtown Campus, Mezzanine Floor
Summer Session: M–Th, 1:00–7:00pm

Mental Health/Counseling Services

Main Facility
(617) 929-7170, Harbor Campus, 110/2/015
Summer Session: MTh, 9:00am–6:30pm, TuWF, 9:00am–4:30pm

Park Square Clinic
(617) 956-1024, Downtown Campus, 4/417
Summer Session: M–Th, 1:00–7:00pm

Peer Support Center
(617) 929-7316, Harbor Campus, 020/2/412
Summer Session: M–F, 9:00am–4:30pm

Returning Students Program
(617) 929-7315, Harbor Campus, 020/2/414
Summer Session: M–F, 9:00am–4:30pm

Health Promotion Program

(617) 929-7880/7881, Harbor Campus, 020/1/613
Summer Session: M–F, 9:00am–4:30pm

The University Health Service offers outpatient medical care, mental health counseling and health education programs to all enrolled students. Medical services include unlimited medical visits, gynecological care, health counseling, routine laboratory work, minor surgery, dermatology, dental screening/consultation and referrals, when necessary. The Mental Health/Counseling Program provides personal growth counseling, crisis intervention, walk-in emergency service, workshops, consultation, information and referral. The Health Promotion Program is designed to support the clinical efforts of the Health Service and to promote responsible health consciousness throughout the University community.

Registration for Summer Session Courses

Advance Registration by Mail

To register by mail for summer session courses, fill out the registration form included in this bulletin and send the form to:

Summer Session Registration
Healey Library, 2nd Floor Lobby
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125

Registrations will be accepted on the basis of available space. Full payment must accompany the registration form (see "Fees and Payments").

sunglasses

Advance Registration by Telephone

Students wishing to pay course and service fees by using MasterCard or VISA may register by telephone. To register by telephone for summer session courses, simply call 929-7933. Verification of your registration will be sent to you about four days after you register.

Note: Unfortunately, telephone registration is available only to students wishing to pay course and service fees by using MasterCard or VISA.

Walk-In Registration

Students who would rather register in person may do so on the dates and at the times listed in the Academic Calendar. Walk-In Registration will take place at the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby) during the following times:

M–Th, 8:30am–6:30pm, F, 9:00am–4:00pm

Late Registration

Late registration will take place at the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby) during the periods listed in the Academic Calendar. Students registering during these periods must pay a $20.00 late registration fee.

Further Information

For further information about registering for summer session courses, call 929-7900 or 956-1000.

Fees and Payments; General Information

Course Fees

Undergraduate	$47.50 per credit
Graduate	60.00 per credit

Service Fees

Mandatory for all students

Registration Fee	$10.00
Educational Service Fee	5.00
Student Health Fee	15.00
Student Activities Fee	7.00
Student Athletics Fee	6.25
Late Registration Fee (when applicable)	20.00
Bad Check Fee (when applicable)	20.00

Independent Study

Only UMass/Boston students may register for Independent Study and must do so through the Scheduling Office, located in the Office of Registration and Records, after satisfying any departmental prerequisite(s). Students may pay state course fees as follows:

Resident:	
Undergraduate	$47.50 per credit
Graduate	60.00 per credit
Non-resident:	
Undergraduate	$154.00 per credit
Graduate	157.50 per credit

Payment of Course and Service Fees

Students must pay in full before their registrations will be accepted. No payment will be accepted after the Add/Drop deadline of the session for which payment is intended. Students may use the following methods to make payment:

Check:

Please make out a separate check to cover the course fee (and lab fee, if applicable) for *each* course that is being requested, and a separate check for total Service Fees (Registration, Health, Activities, and Athletics; see Course and Service Fees above). Submission of separate check payments for each course allows the University to return payments immediately for an individual course that is no longer available. Any student who combines payment into one check does so at the risk of having the entire application returned or waiting until after the Add/Drop period for a refund.

Please make checks payable to the University of Massachusetts—Continuing Education.

A payment of course and services fees made with an unacceptable check will result in administrative withdrawal, an additional bad check fee of $20.00, and referral to a collection agency, which may result in liability for the payment of a collection fee.

MasterCard or VISA:

The University of Massachusetts at Boston will accept payment by MasterCard or VISA for all course and service fees. *The minimum acceptable MasterCard of VISA payment is $25.00.* Please fill out the appropriate section of the registration form when registering by mail.

Cash:

Cash payments must be made at the Bursar's Office at the Harbor Campus only. (Administration Building, 2nd Floor; M–F, 9am–3:30pm)

Note: Cash payments will not be accepted at any other UMass/Boston location.

Lab Fees

Lab fees must be paid for certain courses as indicated in the schedule listings. The amounts of fees appear under schedule numbers for those courses requiring fees. The lab fee for each course must be paid at the time of registration.

Summer Student I.D. Cards

I.D. cards are required for the use of such facilities as libraries and the Clark Athletic Center. They may be obtained at the Harbor Campus through the I.D. Office (Building One, 4th Floor, Room 064) between 10:00am and 1:00pm each day. The charge is $2.00. UMass/Boston students who have currently valid I.D. cards need not obtain summer I.D. cards.

Payment by Outside Agencies

If the student's charges are to be paid by an outside agency, a payment authorization from that agency must accompany his or her registration if one is not on file in the Bursar's Office. Students are reminded that they are liable for all courses and service fees in the event that the sponsoring agency does not provide payment.

Cancellations

Summer session courses are conducted through the Division of Continuing Education, which is supported by student course fees. No state funding is available to help the Division of Continuing Education pay faculty salaries and meet overhead expenses. The Division must therefore cancel underenrolled courses. Before classes begin each session—generally during the week after the regular registration deadline—the Division projects enrollments according to the numbers of students already registered and decides whether to cancel courses that may be underenrolled. *Students therefore are encouraged to register early.*

Any student who has registered for a course that is cancelled may register for another course or request a refund. The course fee will be refunded in full to any student who has paid for a cancelled course and does not wish to register for another course in its place. If all courses for which the student has registered are cancelled, service fees will also be refunded.

Refunds

A student who withdraws from a course will be granted a refund according to the schedule below. Non-attendance does not constitute withdrawal. Students withdrawing from credit courses must file a valid withdrawal form with the Office of Registration and Records. Students withdrawing from non-credit courses must file a valid withdrawal form with the Continuing Education Office.

For courses scheduled for ten or more class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal before the *second* class meeting	90% Refund
Withdrawal before the third class meeting	50% Refund
Withdrawal after the third class meeting	No Refund

For courses scheduled for 6–9 class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal before the *second* class meeting	80% Refund
Withdrawal after the *second* class meeting	No Refund

For courses scheduled for 1–5 class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal after the first class meeting	No Refund

Whenever a refund is due, either because the student wishing the refund has withdrawn from a course or because the University has cancelled the course, *the student must initiate the refund procedure* by notifying the Office of Registration and Records. Refunds will not be processed until after the Add/Drop period.

The amounts of all refunds are computed on the basis of withdrawal dates established by the Office of Registration and Records.

If a student has made a payment with MasterCard or VISA, the refund must be returned as a credit to the student's MasterCard or VISA account.

Unless a course has been cancelled by the University, the $10 registration fee is not refundable.

Adding and Dropping Courses

Any student may add or drop courses before the Add/Drop deadline (see "Academic Calendar"). The student should obtain an Add/Drop form from the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby), have the form signed by the instructors of the courses involved, and return the form to the Summer Session Registration Center.

Withdrawing from Courses

Any student withdrawing from a course after the Add/Drop deadline (see "Academic Calendar") will receive a grade of "W" for that course. Withdrawal forms are available at the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby). Failure to submit a withdrawal form before 4:00pm on the last day of the withdrawal period will result in a grade of "F."

Transcripts

Students must request transcripts in writing from the Office of Registration and Records. The cost of an official transcript is $2.00.

Pass/Fail Option for UMass/Boston Students

A total of eight courses may be taken on a Pass/Fail basis by regular UMass/Boston student while the student is an undergraduate. When the student earns a Pass (P) grade, credits for the course count as graduation credits; but the grade has no bearing on the student's cumulative average. A Fail (F) grade affects the student's cumulative average as a regular "F" would.

During the summer the following regulations apply:

1. Only *one* course may be taken on a Pass/Fail basis.
2. A course taken Pass/Fail cannot exceed five credits.
3. A summer course taken on a Pass/Fail basis counts toward the maximum allowed number of eight.
4. A student wishing to take a course on a Pass/Fail basis must fill out a Pass/Fail card, available at the Office of Registration and Records. Any student submitting two Pass/Fail cards in one summer will not be allowed to take either course on a Pass/Fail basis.
5. A Pass/Fail card, once submitted, cannot be withdrawn after the Pass/Fail deadline of the session in question (see the calendar).

Grades

Letter grades reported by instructors are given numerical values according to the following chart.

A	4.0
A –	3.75
B +	3.25
B	3.0
B –	2.75
C +	2.25
C	2.0
C –	1.75
D +	1.25
D	1.0
D –	.75
F	.00
Inc	Incomplete
Y	Interim grade in a declared year-long course

The grade of Incomplete is reported only if personal circumstances of extreme difficulty, such as serious illness, have kept a student from completing a portion of his or her required classwork or from taking a final examination; or if an instructor requests that an Incomplete be given for scholarly reasons. If a student's record is such that he or she would fail a course regardless of the quality of work yet to be done, an "F" will be reported.

A student can obtain credit for an Incomplete taken in the summer term only by finishing the work of the course by the end of the following summer term. If the work is not completed by this time, the grade will be changed to an "F." The initiative for removal of the Incomplete grade rests with the student.

An Incomplete on a final grade report is not represented in the student's temporary grade point average. When the Incomplete is later converted to a grade, the average is calculated again and the student is notified.

Once a grade is submitted, it cannot be changed except by approval of the Department Chairperson.

Regulations

Normal University regulations apply during the summer session, unless otherwise specified. Students are advised to consult the statements of these regulations available at the INFO Center in Building Two or at the Office of Student Information Services (Administration Building, 3rd Floor, Room 039).

Registration Form — Continuing Education — Summer, 1984

Social Security # — — **UMass/Boston ID # (If any):**

Name
Last First Middle Initial

Address
No. Street City State Zip

Student Status
Graduate Undergraduate

Ethnic Survey Information (Required by Federal Government)

A. American Indian/Alaskan Native
B. Black Non-Hispanic
C. Asian or Pacific Islander
D. Hispanic
E. Non-resident Alien
F. White Non-Hispanic
G. Do not wish to report
H. Cape Verdean

Sex
Male Female

Marital Status
Married Divorced
Single Widowed

Residency Status
Instate Out of State Foreign

Veteran Status
veteran Non-veteran

Student Visa
Yes No

Phone: ( )

Date of Birth
Mo Day Year

Current/former UMass student at:
Boston Amherst

Accepted as UMass student at:
Boston Amherst
Class of

Student at other college or university?
○ Yes ○ No If Yes, where?

Course Selections

Sched No	Dept	Title	Session	Credits		Course Fee/Credit		Lab Fee (if any)		Total Course & Lab Fee
					x		+		=	
					x		+		=	
					x		+		=	
					x		+		=	

MasterCard and VISA Only

The University of Massachusetts at Boston, Division of Continuing Education, will accept MasterCard or VISA for payment of fees. If you would like to make use of this service, please provide the information requested

Account No

Expiration Date

Student's Name (Print)

Student's Signature

Print name of person to whom card was issued if different from above

If a student withdraws or a course is cancelled, the refund will be made only as a credit to the student's MasterCard or VISA account

Full payment must accompany all registrations.

Method of Payment

○ VISA ○ MasterCard
○ Check ○ Other

Make checks payable to University of Massachusetts – Continuing Education

Send checks and forms to:
Office of Registration and Records
Continuing Education Registration
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125

Batch:

Please calculate payment below.

Registration Fee	$10.00
Educational Service Fee	$5.00
Health Fee	$15.00
Activities Fee	$7.00
Athletics Fee	$6.25
Late Fee (if applicable)	$20.00
Course and Lab Fees (total)*	

Total Payment Enclosed

*Remember to make out a separate check for the total course and lab fee for each course.

Course Fees

Undergraduate	$47.50/credit
Graduate	$60.00/credit

Independent Study Fees

Undergraduate Resident	$47.50/credit
Undergraduate Non-resident	$154.00/credit
Graduate Resident	$60.00/credit
Graduate Non-resident	$157.50/credit

sunset